Draft Data Summary Report
IHSS Group 400-3

November 2003

1/86

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IHSS Group 400-3

Approval received from the Colorado Department of Public Health and Environment

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Approval letter contained in the Administrative Record

November 2003

2

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

ACRONYMS

AL	action level
AR	Administrative Record
ASD	Analytical Services Division
CAS	Chemical Abstract Service
CD	compact disk
CDPHE	Colorado Department of Public Health and Environment
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COC	contaminant of concern
CRA	Comprehensive Risk Assessment
DOE	U S Department of Energy
DQA	Data Quality Assessment
DQO	data quality objective
EPA	U S Environmental Protection Agency
ER	Environmental Restoration
ER RSOP	Environmental Restoration RSOP for Routine Soil Remediation
FY	Fiscal Year
HRR	Historical Release Report
IA	Industrial Area
IASAP	Industrial Area Sampling and Analysis Plan
IHSS	Individual Hazardous Substance Site
IMP	Integrated Monitoring Program
K-H	Kaiser-Hill Company, L L C
LCS	laboratory control sample
MDL	Method Detection Limit
ug/kg	micrograms per kilogram
ug/L	micrograms per liter
mg/cm^2	milligrams per square centimeter
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
MS	matrix spike
MSD	matrix spike duplicate
N/A	not applicable
NFA	No Further Action
NFAA	No Further Accelerated Action
OPWL	Original Process Waste Lines
PAC	Potential Area of Concern
PARCCS	precision, accuracy, representativeness, completeness, comparability, and sensitivity
PCB	polychlorinated biphenyl
pCi/g	picocuries per gram
pCi/L	picocuries per liter
PCOC	potential contaminant of concern
POE	Point of Evaluation

PPM	parts per million
QC	Quality Control
RFCA	Rocky Flats Cleanup Agreement
RFETS or Site	Rocky Flats Environmental Technology Site
RIN	report identification number
RL	Reportable Limit
RPD	relative percent difference
RSOP	RFCA Standard Operating Protocol
SAP	Sampling and Analysis Plan
SOR	sum of ratios
SSRS	Subsurface Soil Risk Screen
SWD	Soil Water Database
UBC	Under Building Contamination
UCL	upper confidence limit
V&V	verification and validation
VOC	volatile organic compound
WRW	wildlife refuge worker
XRF	x-ray fluorescence

1.0 INTRODUCTION

This Data Summary Report summarizes characterization data collection activities conducted at Individual Hazardous Substance Site (IHSS) Group 400-3 at the Rocky Flats Environmental Technology Site (RFETS or Site) in Golden, Colorado These activities were planned and executed in accordance with the Industrial Area (IA) Sampling and Analysis Plan (SAP) (IASAP) (DOE 2001), IASAP Addendum #IA-03-06 (DOE 2003a), and the Environmental Restoration (ER) Rocky Flats Cleanup Agreement (RFCA) Standard Operating Protocol (RSOP) for Routine Soil Remediation (ER RSOP) (DOE 2002a)

IHSS Group 400-3 consists of the IHSSs, Potential Areas of Concern (PACs), and Under Building Contamination (UBC) Sites listed in Table 1

Table 1
IHSS Group 400-3 Sites

IHSS Group	IHSS/PAC/UBC Site
400-3	UBC 444 – Building 444 Fabrication Facility
	UBC 447 – Building 447 Fabrication Facility
	400-116 1 – West Loading Dock-Building 447
	400-116 2 – South Loading Dock-Building 444
	400-136 1 – Cooling Tower Pond West of Building 444
	400-136 2 – Cooling Tower Pond East of Building 444
	400-182 – Building 444/453 Drum Storage Area
	400-207 – Inactive 444 Acid Dumpster
	400-208 – Inactive 444/447 Waste Storage Area
	400-801 – Transformer, Roof of Building 447
	400-810 – Beryllium Fire-Building 444
	000-121 – Known OPWL Leaks
	000-121 – Tank 4-OPWL Process Waste Pits (B447)
	000-121 – Tank 5-OPWL Process Waste Tanks (B444)
	000-121 – Tank 6-Process Waste Floor Sump and Foundation Drain Floor (B444)

The location of IHSS Group 400-3 is shown on Figure 1, and the specific IHSSs, PACs, and UBC Sites are shown on Figure 2

Approval of this Data Summary Report constitutes regulatory agency concurrence of IHSS Group 400-3 as a No Further Accelerated Action (NFAA) Site This information and NFAA determination will be documented in the Fiscal Year (FY) 2004 Historical Release Report (HRR)

2.0 SITE CHARACTERIZATION

IHSS Group 400-3 information consists of historical knowledge (DOE 1992-2003), previously collected analytical data (DOE 2000), and recently collected data (DOE 2003a) IHSS Group 400-3 analytical data are presented in the following sections

The locations of samples and analytical results greater than background means plus two standard deviations or detection limits, including Action Level (AL) exceedances, are shown on Figures 3, 4, 5, 6, 7, and 8 Figure 3 contains data from the first interval beneath Building 444, and Figure 4 presents data from deeper intervals beneath Building 444 Figures 5 and 6, respectively, present the surface and subsurface data from UBC 447, IHSSs 116 1, 136 1, 182, and 208, and PAC 400-801 Figures 7 and 8, respectively, present the surface and subsurface data from IHSSs 116 2, 136 2, and 207, and PAC 400-810

Characterization sampling locations and deviations from the planned sampling locations, as described in IASAP Addendum #IA-03-06 (DOE 2003a), are presented in Table 2 Analytical results greater than background means plus two standard deviations or detection limits are presented in Table 3 AL exceedances are listed in Table 4, and radionuclide sums of ratios (SORs) are listed in Table 5 All analytical data are summarized, by analyte, in Tables 6 and 7 The results of lead analysis for sampling locations BY37-003 and BY37-027 are presented in Table 8 All project real and quality control (QC) data are included on the enclosed compact disc (CD)

Figure 1
IHSS Group 400-3 Location

9

Figure 2
IHSS Group 400-3 Specific IHSSs, UBC Sites and PACs

10

Figure 3
UBC 444 Surface Soil Results Greater Than Background Means Plus Two Standard Deviations or Detection Limits

Figure 4
UBC 444 Subsurface Soil Results Greater Than Background Means Plus Two Standard Deviations or Detection Limits

12

Figure 5
UBC 447; IHSSs 116.1, 136.1, 182, and 208; and PAC 400-801 Surface Soil Results Greater Than Background Means Plus Two Standard Deviations or Detection Limits

13

Figure 6
UBC 447; IHSSs 116.1, 136.1, 182, and 208; and PAC 400-801 Subsurface Soil Results Greater Than Background Means Plus Two Standard Deviations or Detection Limits

14

Figure 7
IHSSs 116.2, 136.2, and 207 and PAC 400-810 Surface Soil Results Greater Than Background Means Plus Two Standard Deviations or Detection Limits

15

Figure 8
IHSSs 116.2, 136.2, and 207 and PAC 400-810 Subsurface Soil Results Greater Than Background Means Plus Two Standard Deviations or Detection Limits

16

Table 2
IHSS Group 400-3 Characterization Sampling Deviations

IHSS/PAC/UBC Site	Location Code	Proposed Easting	Proposed Northing	Actual Easting	Actual Northing	Media	Depth Interval	Analyte	Comment
UBC 444/447	BW37-000	2082086 821	748789 521	2082086 53	748789 27	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - pipe chase in the way
	BX35-003	2082333 001	748547 27	2082330 43	748507 05	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - plenum access issues
	BX36-011	2082300 058	748667 548	2082300 28	748667 6	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - column line in the way
	BX37-002	2082206 101	748853 05	2082205 96	748853 05	Subsurface soil	0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - pipe interference below slab "A" interval collected, "B" interval abandoned
	BX37-004	2082297 506	748808 321	2082297 38	748808 321	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - trench interference
	BX37-009	2082215 922	748838 454	NO CHANGE		Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Refusal - "A" interval collected, "B" interval abandoned
	BX37-011	2082164 729	748889 083	2082164 65	748889 2	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - walker duct interference
	BY36-007	2082432 502	748583 4	2082432 34	748583 37	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - sump and stair interference
	BY36-008	2082438 926	748607 487	2082438 82	748607 3	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - utility interference
	BY36-010	2082447 758	748739 968	2082449 98	748735 25	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Water sample only, but still collected in the elevator pit
	BY36-011	2082420 693	748635 938	2082443 28	748636 39	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - floor trench interference
	BY36-016	2082387 75	748756.216	2082387 75	748756 55	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - utility interference
	BY37-007	2082393 962	748818 654	2082379 8	748818 99	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - utility interference

IHSS/PAC/UBC Site	Location Code	Proposed Easting	Proposed Northing	Actual Easting	Actual Northing	Media	Depth Interval	Analyte	Comment
	BY37-009	2082443 743	748805 807	2082443 743	748792 35	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - building column interference
	BY37-010	2082433 305	748821 887	N/A		Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Sample location deleted because it fell inside a wall A new location took its place
	BY37-011	2082526 635	748794 256	2082544 78	748843 07	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - refusal at second layer of concrete Sampling location moved and sample collected with success
	BY37-013	2082475 442	748844 885	2082483 54	748847 11	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - concrete issues, successfully moved to Room 116
	BW35-003	2082054 842	748549 846	2082054 842	748549 78	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - existing equipment interference
	BW35-005	2082104 04	748531 175	2082104	748529 97	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - original location inaccessible Moved from 31A to 31B
	BW36-015	2082067 739	748596 279	2082067 739	748592 78	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - moved off of dock to inside building
	BX35-004	2082175 811	748525 428	2082175 79	748525 25	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - switch gear interference
	BX36-008	2082172 014	748564 006	2082172 014	748563 98	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - equipment interference Refusal - "A" interval collected, "B" interval abandoned
	BY37-016	2082354 807	748876 494	NO CHANGE		Subsurface soil	0 5' - 2 5'	Radionuclides Metals VOCs	Refusal - "A" interval collected, "B" interval abandoned
	BW35-002	2082068 888	748552 885	NO CHANGE		Subsurface soil	0 5' - 2 5'	Radionuclides Metals VOCs	Refusal - "A" interval collected, "B" interval abandoned
	BW35-004	2082032 27	748536 921	NO CHANGE		Subsurface soil	0 5' - 2 5'	Radionuclides Metals VOCs	Refusal - "A" interval collected, "B" interval abandoned
	BY37-027	2082377 667	748899 524	2082377 23	748899 08	Surface soil	0' - 0 5' and 0 5' - 2 5'	Metals	Additional sample collected to verify BY37-003 lead detection
Remaining IHSSs and PACs	BW36-012	2082028 5	748643 727	2082038 77	748643 766	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals	Relocated - sewer/electrical interference

IHSS/PAC/UBC Site	Location Code	Proposed Easting	Proposed Northing	Actual Easting	Actual Northing	Media	Depth Interval	Analyte	Comment
	BW36-013	2082026 473	748623 455	2082035 763	748621 032	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals	Relocated - storm drain interference
	BW36-014	2082093 371	748623 455	2082091 346	748623 644	Surface and subsurface soil	0' - 0 5' and 0.5' - 2 5'	Radionuclides Metals	Relocated - inaccessible slope for equipment
	BY36-004	2082421 781	748593 047	2082407 983	748592 285	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - utility interference
	BY36-005	2082421 781	748570 747	2082407 738	748568 937	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - utility interference
	BW35-000	2081980 34	748552 635	2081995 615	748553 207	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - sewer line interference
	BW35-001	2082014 405	748540 992	2082014 529	748537 589	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - slight adjustment away from concrete slab
	BW36-002	2082027 622	748635 318	2082015 94	748633 051	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - sewer line interference
	BW36-003	2082020 672	748670 641	2082020 607	748663 609	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - electrical line interference
	BW36-004	2082000 506	748611 638	2081994 191	748607 339	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - telephone line interference
	BW36-005	2082027 622	748635 318	2081997 404	748641 844	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - utility interference
	BW36-006	2082007 456	748576 315	2082020 639	748566 436	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - concrete slab interference
	BX36-001	2082197 773	748726 843	2082193 209	748725 092	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - utility interference
	BX36-002	2082187 637	748753 197	2082184 786	748756 917	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - utility interference
	BX36-003	2082145 066	748752 184	2082151 125	748756 819	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - utility interference

IHSS/PAC/UBC Site	Location Code	Proposed Easting	Proposed Northing	Actual Easting	Actual Northing	Media	Depth Interval	Analyte	Comment
	BX36-005	2082183 571	748738 333	2082183 741	748736 113	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - utility interference
	BY37-000	2082379 209	748949 837	2082386 21	748949 82	Subsurface soil	2 5' - 4 5', 4 5' - 6 5' and 6 5' - 8 5'	Radionuclides Metals VOCs	Relocated - utility and OPWL interference
	BW36-008	2082072 08	748625 037	2082065 569	748619 494	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals PCBs	Relocated - electrical line interference
	BX35-000	2082320 289	748546 045	2082308 537	748543 791	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals	Relocated - building structure interference
	BX36-000	2082311 56	748580 971	2082339 721	748575 35	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals	Relocated - building structure interference
	BY35-000	2082527 955	748486 626	2082528 257	748486 335	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals	Relocated - utility interference
	BY35-001	2082363 629	748501 216	2082364 031	748504 95	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals	Relocated - utility interference
	BY35-002	2082398 24	748491 313	2082398 139	748504 734	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals	Relocated - utility interference
	BY35-003	2082432 851	748481 41	2082432 237	748472 199	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals	Relocated - utility interference
	BY35-005	2082337 747	748476 194	2082344 458	748470 718	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals	Relocated - utility interference
	BY36-001	2082372 053	748596 09	2082369 769	748596 481	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals	Relocated - underground structure interference
	BY36-002	2082406 664	748586 187	2082400 965	748580 049	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - utility interference
	BY36-017	2082377 87	748592 857	2082379 038	748594 067	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals VOCs	Relocated - underground structure interference
	BZ35-011	208648 941	748516 865	2082590 968	748525 644	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals	Sample created to replace BZ35-001, which was accidentally collected in the wrong location

IHSS/PAC/UBC Site	Location Code	Proposed Easting	Proposed Northing	Actual Easting	Actual Northing	Media	Depth Interval	Analyte	Comment
	BZ35-002	2082623 059	748491 842	2082620 428	748481 64	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals	Relocated - utility interference
	BZ35-003	2082562 566	748476 723	2082560 876	748468 932	Surface and subsurface soil	0' - 0 5' and 0 5' - 2 5'	Radionuclides Metals	Relocated - utility interference

Table 3
IHSS Group 400-3 Results Greater Than Background Means Plus Two Standard Deviations or Detection Limits

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
IHSS 116 1	BW36-000	748639 437	2082096 032	0	0 5	Aluminum	29000	5	16902	228000	N/A	mg/kg
	BW36-000	748639 437	2082096 032	0	0 5	Beryllium	1 3	0 1	0 97	921	2 15	mg/kg
	BW36-000	748639 437	2082096 032	0	0 5	Lithium	17	0 5	11 55	20400	N/A	mg/kg
	BW36-000	748639 437	2082096 032	0	0 5	Uranium, Total	8 41	3 59	5 98	2750	67 8	mg/kg
	BW36-000	748639 437	2082096 032	0 5	2 5	Uranium, Total	10 31	4 01	3 04	2750	67 8	mg/kg
	BW36-000	748639 437	2082096 032	0	0 5	Uranium-234	3 08	1 32	2 25	300	1800	pCi/g
	BW36-000	748639 437	2082096 032	0 5	2 5	Uranium-234	3 85	1 5	2 64	300	1800	pCi/g
	BW36-000	748639 437	2082096 032	0 5	2 5	Uranium-235	0 2	0 13	0 12	8	1900	pCi/g
	BW36-000	748639 437	2082096 032	0	0 5	Uranium-238	3 08	1 32	2	351	1600	pCi/g
	BW36-000	748639 437	2082096 032	0 5	2 5	Uranium-238	3 85	1 5	1 49	351	1600	pCi/g
	BW36-001	748628 86	2082061 645	0	0 5	Aluminum	27000	5 1	16902	228000	N/A	mg/kg
	BW36-001	748628 86	2082061 645	0	0 5	Beryllium	1 4	0 11	0 97	921	2 15	mg/kg
	BW36-001	748628 86	2082061 645	0	0 5	Chromium	18	0 16	16 99	268	N/A	mg/kg
	BW36-001	748628 86	2082061 645	0	0 5	Lithium	14	0 51	11 55	20400	N/A	mg/kg
	BW36-001	748628 86	2082061 645	0	0 5	Nickel	17	0 2	14 91	20400	N/A	mg/kg
	BW36-001	748628 86	2082061 645	0 5	2 5	Uranium, Total	8 79	4 57	3 04	2750	67 8	mg/kg
	BW36-001	748628 86	2082061 645	0 5	2 5	Uranium-234	3 38	1 76	2 64	300	1800	pCi/g
	BW36-001	748628 86	2082061 645	0	0 5	Uranium-235	0 13	0 1	0 09	8	1900	pCi/g
	BW36-001	748628 86	2082061 645	0 5	2 5	Uranium-235	0 17	0 14	0 12	8	1900	pCi/g
	BW36-001	748628 86	2082061 645	0 5	2 5	Uranium-238	3 38	1 76	1 49	351	1600	pCi/g
	BW36-012	748643 766	2082038 77	0	0 5	Strontium	54	0 06	48 94	613000	N/A	mg/kg
	BW36-012	748643 766	2082038 77	0 5	2 5	Uranium, Total	10 25	4 6	3 04	2750	67 8	mg/kg
	BW36-012	748643 766	2082038 77	0 5	2 5	Uranium-234	4 02	1 8	2 64	300	1800	pCi/g
	BW36-012	748643 766	2082038 77	0 5	2 5	Uranium-235	0 19	0 14	0 12	8	1900	pCi/g
	BW36-012	748643 766	2082038 77	0 5	2 5	Uranium-238	4 02	1 8	1 49	351	1600	pCi/g
	BW36-013	748621 032	2082035 763	0	0 5	Aluminum	39000	5 4	16902	228000	N/A	mg/kg
	BW36-013	748621 032	2082035 763	0	0 5	Beryllium	1 4	0 11	0 97	921	2 15	mg/kg
	BW36-013	748621 032	2082035 763	0	0 5	Chromium	25	0 17	16 99	268	N/A	mg/kg
	BW36-013	748621 032	2082035 763	0	0 5	Iron	21000	1 5	18037	307000	N/A	mg/kg
	BW36-013	748621 032	2082035 763	0	0 5	Lithium	16	0 54	11 55	20400	N/A	mg/kg
	BW36-013	748621 032	2082035 763	0	0 5	Selenium	1 4	0 88	1 22	5110	N/A	mg/kg
	BW36-013	748621 032	2082035 763	0 5	2 5	Uranium, Total	10 6	5 11	3 04	2750	67 8	mg/kg
	BW36-013	748621 032	2082035 763	0 5	2 5	Uranium-234	4 12	1 99	2 64	300	1800	pCi/g
	BW36-013	748621 032	2082035 763	0	0 5	Uranium-235	0 2	0 17	0 09	8	1900	pCi/g

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BW36-013	748621 032	2082035 763	0 5	2 5	Uranium-235	0 23	0 14	0 12	8	1900	pCi/g
	BW36-013	748621 032	2082035 763	0 5	2 5	Uranium-238	4 12	1 99	1 49	351	1600	pCi/g
	BW36-014	748623 644	2082091 346	0	0 5	Aluminum	29000	4 9	16902	228000	N/A	mg/kg
	BW36-014	748623 644	2082091 346	0 5	2 5	Aluminum	39000	5 5	35373 17	228000	N/A	mg/kg
	BW36-014	748623 644	2082091 346	0	0 5	Beryllium	1 5	0 1	0 97	921	2 15	mg/kg
	BW36-014	748623 644	2082091 346	0	0 5	Chromium	26	0 15	16 99	268	N/A	mg/kg
	BW36-014	748623 644	2082091 346	0	0 5	Cobalt	11	0 19	10 91	1550	N/A	mg/kg
	BW36-014	748623 644	2082091 346	0	0 5	Iron	20000	1 4	18037	307000	N/A	mg/kg
	BW36-014	748623 644	2082091 346	0	0 5	Lithium	17	0 49	11 55	20400	N/A	mg/kg
	BW36-014	748623 644	2082091 346	0	0 5	Nickel	21	0 2	14 91	20400	N/A	mg/kg
	BW36-014	748623 644	2082091 346	0	0 5	Uranium, Total	12 56	5 46	5 98	2750	67 8	mg/kg
	BW36-014	748623 644	2082091 346	0 5	2 5	Uranium, Total	3 38	3 33	3 04	2750	67 8	mg/kg
	BW36-014	748623 644	2082091 346	0	0 5	Uranium-234	4 41	1 92	2 25	300	1800	pCi/g
	BW36-014	748623 644	2082091 346	0	0 5	Uranium-235	0 23	0 14	0 09	8	1900	pCi/g
	BW36-014	748623 644	2082091 346	0	0 5	Uranium-238	4 41	1 92	2	351	1600	pCi/g
	BW36-014	748623 644	2082091 346	0	0 5	Vanadium	48	0 47	45 59	7150	433	mg/kg
IHSS 116 2	BY36-003	748592 164	2082391 413	0	0 5	Americium-241	0 12	0 09	0 02	76	1900	pCi/g
	BY36-003	748592 164	2082391 413	0	0 5	Benzene	0 79	4 95	N/A	205000	N/A	ug/kg
	BY36-003	748592 164	2082391 413	0	0 5	Copper	21	0 05	18 06	40900	N/A	mg/kg
	BY36-003	748592 164	2082391 413	0	0 5	Ethylbenzene	2 5	4 95	N/A	4250000	N/A	ug/kg
	BY36-003	748592 164	2082391 413	0 5	2 5	Ethylbenzene	2 1	1 3	N/A	4250000	N/A	ug/kg
	BY36-003	748592 164	2082391 413	0 5	2 5	Methylene chloride	0 93	0 89	N/A	2530000	39500	ug/kg
	BY36-003	748592 164	2082391 413	0	0 5	Toluene	8 16	4 95	N/A	31300000	128000	ug/kg
	BY36-003	748592 164	2082391 413	0 5	2 5	Toluene	1 8	5 32	N/A	31300000	128000	ug/kg
	BY36-003	748592 164	2082391 413	0	0 5	Uranium, Total	14 35	4 66	5 98	2750	67 8	mg/kg
	BY36-003	748592 164	2082391 413	0 5	2 5	Uranium, Total	4 5	1 4	3 04	2750	67 8	mg/kg
	BY36-003	748592 164	2082391 413	0	0 5	Uranium-234	5 05	1 64	2 25	300	1800	pCi/g
	BY36-003	748592 164	2082391 413	0 5	2 5	Uranium-234	4 41	1 79	2 64	300	1800	pCi/g
	BY36-003	748592 164	2082391 413	0	0 5	Uranium-235	0 27	0 13	0 09	8	1900	pCi/g
	BY36-003	748592 164	2082391 413	0 5	2 5	Uranium-235	0 25	0 13	0 12	8	1900	pCi/g
	BY36-003	748592 164	2082391 413	0	0 5	Uranium-238	3 07	0 22	2	351	1600	pCi/g
	BY36-003	748592 164	2082391 413	0 5	2 5	Uranium-238	1 57	0 15	1 49	351	1600	pCi/g
	BY36-003	748592 164	2082391 413	0	0 5	Xylene	14 8	9 9	N/A	2040000	N/A	ug/kg
	BY36-003	748592 164	2082391 413	0 5	2 5	Xylene	14	3 1	N/A	2040000	N/A	ug/kg
	BY36-004	748592 285	2082407 983	0	0 5	Benzene	1 3	5 74	N/A	205000	N/A	ug/kg
	BY36-004	748592 285	2082407 983	0	0 5	Ethylbenzene	5 94	5 74	N/A	4250000	N/A	ug/kg
	BY36-004	748592 285	2082407 983	0	0 5	Lithium	12	0 51	11 55	20400	N/A	mg/kg
	BY36-004	748592 285	2082407 983	0	0 5	Naphthalene	1 2	5 74	N/A	3090000	N/A	ug/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BY36-004	748592 285	2082407 983	0	0 5	Tetrachloroethene	6 97	5 74	N/A	615000	37500	ug/kg
	BY36-004	748592 285	2082407 983	0	0 5	Toluene	19 5	5 74	N/A	31300000	128000	ug/kg
	BY36-004	748592 285	2082407 983	0 5	2 5	Toluene	4 5	5 32	N/A	31300000	128000	ug/kg
	BY36-004	748592 285	2082407 983	0	0 5	Uranium, Total	28 3	4 22	5 98	2750	67 8	mg/kg
	BY36-004	748592 285	2082407 983	0 5	2 5	Uranium, Total	11 3	3 05	3 04	2750	67 8	mg/kg
	BY36-004	748592 285	2082407 983	0	0 5	Uranium-234	10 75	1 6	2 25	300	1800	pCi/g
	BY36-004	748592 285	2082407 983	0 5	2 5	Uranium-234	3 81	1 03	2 64	300	1800	pCi/g
	BY36-004	748592 285	2082407 983	0	0 5	Uranium-235	0 5	0 2	0 09	8	1900	pCi/g
	BY36-004	748592 285	2082407 983	0 5	2 5	Uranium-235	0 2	0 11	0 12	8	1900	pCi/g
	BY36-004	748592 285	2082407 983	0	0 5	Uranium-238	10 75	1 6	2	351	1600	pCi/g
	BY36-004	748592 285	2082407 983	0 5	2 5	Uranium-238	3 81	1 03	1 49	351	1600	pCi/g
	BY36-004	748592 285	2082407 983	0	0 5	Xylene	31 7	11 5	N/A	2040000	N/A	ug/kg
	BY36-004	748592 285	2082407 983	0 5	2 5	Xylene	7	10 6	N/A	2040000	N/A	ug/kg
	BY36-005	748568 937	2082407 738	0 5	2 5	Acetone	30	117	N/A	102000000	211000	ug/kg
	BY36-005	748568 937	2082407 738	0	0 5	Aluminum	20000	5 2	16902	228000	N/A	mg/kg
	BY36-005	748568 937	2082407 738	0	0 5	Chromium	17	0 16	16 99	268	N/A	mg/kg
	BY36-005	748568 937	2082407 738	0 5	2 5	Ethylbenzene	1 8	5 85	N/A	4250000	N/A	ug/kg
	BY36-005	748568 937	2082407 738	0	0 5	Lithium	13	0 52	11 55	20400	N/A	mg/kg
	BY36-005	748568 937	2082407 738	0 5	2 5	Naphthalene	1 2	5 85	N/A	3090000	N/A	ug/kg
	BY36-005	748568 937	2082407 738	0	0 5	Nickel	15	0 21	14 91	20400	N/A	mg/kg
	BY36-005	748568 937	2082407 738	0 5	2 5	Toluene	5 1	5 85	N/A	31300000	128000	ug/kg
	BY36-005	748568 937	2082407 738	0	0 5	Uranium, Total	6 52	2 87	5 98	2750	67 8	mg/kg
	BY36-005	748568 937	2082407 738	0 5	2 5	Uranium, Total	9 84	4 76	3 04	2750	67 8	mg/kg
	BY36-005	748568 937	2082407 738	0 5	2 5	Uranium-234	3 31	1 6	2 64	300	1800	pCi/g
	BY36-005	748568 937	2082407 738	0	0 5	Uranium-235	0 13	0 11	0 09	8	1900	pCi/g
	BY36-005	748568 937	2082407 738	0 5	2 5	Uranium-235	0 19	0 13	0 12	8	1900	pCi/g
	BY36-005	748568 937	2082407 738	0	0 5	Uranium-238	2 19	0 97	2	351	1600	pCi/g
	BY36-005	748568 937	2082407 738	0 5	2 5	Uranium-238	3 31	1 6	1 49	351	1600	pCi/g
	BY36-005	748568 937	2082407 738	0 5	2 5	Xylene	12 3	11 7	N/A	2040000	N/A	ug/kg
	BY36-006	748570 737	2082391 403	0	0 5	Acetone	24	116	N/A	102000000	211000	ug/kg
	BY36-006	748570 737	2082391 403	0 5	2 5	Acetone	15	125	N/A	102000000	211000	ug/kg
	BY36-006	748570 737	2082391 403	0 5	2 5	Arsenic	19	0 89	13 14	22 2	21 6	mg/kg
	BY36-006	748570 737	2082391 403	0	0 5	Copper	65	0 05	18 06	40900	N/A	mg/kg
	BY36-006	748570 737	2082391 403	0	0 5	Manganese	380	0 17	365 08	3480	N/A	mg/kg
	BY36-006	748570 737	2082391 403	0	0 5	Toluene	1 9	5 78	N/A	31300000	128000	ug/kg
	BY36-006	748570 737	2082391 403	0	0 5	Uranium, Total	11 46	5 08	5 98	2750	67 8	mg/kg
	BY36-006	748570 737	2082391 403	0 5	2 5	Uranium, Total	3 61	3 5	3 04	2750	67 8	mg/kg
	BY36-006	748570 737	2082391 403	0	0 5	Uranium-234	4 62	2 05	2 25	300	1800	pCi/g

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BY36-006	748570 737	2082391 403	0	0 5	Uranium-235	0 25	0 16	0 09	8	1900	pCi/g
	BY36-006	748570 737	2082391 403	0	0 5	Uranium-238	4 62	2 05	2	351	1600	pCi/g
	BY36-006	748570 737	2082391 403	0 5	2 5	Vanadium	97	0 51	88 49	7150	433	mg/kg
	BY36-006	748570 737	2082391 403	0	0 5	Zinc	150	0 45	73 76	307000	N/A	mg/kg
	BY36-017	748594 067	2082379 038	0	0 5	1,1,1-Trichloroethane	56 6	6 2	N/A	79700000	N/A	ug/kg
	BY36-017	748594 067	2082379 038	0 5	2 5	1,1,1-Trichloroethane	2 7	5 73	N/A	79700000	N/A	ug/kg
	BY36-017	748594 067	2082379 038	0	0 5	Aluminum	28000	5 2	16902	228000	N/A	mg/kg
	BY36-017	748594 067	2082379 038	0	0 5	Arsenic	14	0 86	10 09	22 2	21 6	mg/kg
	BY36-017	**748594 067**	**2082379 038**	**0**	**0 5**	**Beryllium**	**4 4**	**0 11**	**0 97**	**921**	**2.15**	**mg/kg**
	BY36-017	**748594 067**	**2082379 038**	**0 5**	**2 5**	**Beryllium**	**2 2**	**0.11**	**14.2**	**921**	**2 15**	**mg/kg**
	BY36-017	748594 067	2082379 038	0	0 5	Chromium	34	0 16	16 99	268	N/A	mg/kg
	BY36-017	748594 067	2082379 038	0	0 5	Iron	20000	1 5	18037	307000	N/A	mg/kg
	BY36-017	748594 067	2082379 038	0	0 5	Lithium	17	0 52	11 55	20400	N/A	mg/kg
	BY36-017	748594 067	2082379 038	0	0 5	Naphthalene	3 7	6 2	N/A	3090000	N/A	ug/kg
	BY36-017	748594 067	2082379 038	0	0 5	Nickel	24	0 21	14 91	20400	N/A	mg/kg
	BY36-017	748594 067	2082379 038	0	0 5	Tetrachloroethene	26 9	6 2	N/A	615000	37500	ug/kg
	BY36-017	748594 067	2082379 038	0	0 5	Uranium, Total	18 27	4 4	5 98	2750	67 8	mg/kg
	BY36-017	748594 067	2082379 038	0 5	2 5	Uranium, Total	21 25	6 2	3 04	2750	67 8	mg/kg
	BY36-017	748594 067	2082379 038	0	0 5	Uranium-234	6 94	1 67	2 25	300	1800	pCi/g
	BY36-017	748594 067	2082379 038	0 5	2 5	Uranium-234	7 15	2 09	2 64	300	1800	pCi/g
	BY36-017	748594 067	2082379 038	0	0 5	Uranium-235	0 3	0 14	0 09	8	1900	pCi/g
	BY36-017	748594 067	2082379 038	0 5	2 5	Uranium-235	0 23	0 15	0 12	8	1900	pCi/g
	BY36-017	748594 067	2082379 038	0	0 5	Uranium-238	6 94	1 67	2	351	1600	pCi/g
	BY36-017	748594 067	2082379 038	0 5	2 5	Uranium-238	7 15	2 09	1 49	351	1600	pCi/g
	BY36-017	748594 067	2082379 038	0	0 5	Vanadium	65	0 49	45 59	7150	433	mg/kg
	BY36-017	748594 067	2082379 038	0	0 5	Zinc	100	0 48	73 76	307000	N/A	mg/kg
	BY36-018	748584 981	2082367 799	0	0 5	1,1,1-Trichloroethane	2 7	5 24	N/A	79700000	N/A	ug/kg
	BY36-018	748584 981	2082367 799	0 5	2 5	1,1,1-Trichloroethane	2 7	5 24	N/A	79700000	N/A	ug/kg
	BY36-018	748584 981	2082367 799	0	0 5	Aluminum	18000	4 9	16902	228000	N/A	mg/kg
	BY36-018	**748584 981**	**2082367 799**	**0**	**0.5**	**Beryllium**	**3 8**	**0 1**	**0 97**	**921**	**2 15**	**mg/kg**
	BY36-018	748584 981	2082367 799	0	0 5	Chromium	26	0 15	16 99	268	N/A	mg/kg
	BY36-018	748584 981	2082367 799	0	0 5	Copper	29	0 05	18 06	40900	N/A	mg/kg
	BY36-018	748584 981	2082367 799	0	0 5	Iron	21000	1 4	18037	307000	N/A	mg/kg
	BY36-018	**748584 981**	**2082367 799**	**0**	**0.5**	**Lead**	**72**	**0 27**	**54 62**	**1000**	**25 6**	**mg/kg**
	BY36-018	**748584 981**	**2082367 799**	**0 5**	**2 5**	**Lead**	**51**	**0.28**	**24 97**	**1000**	**25 6**	**mg/kg**
	BY36-018	748584 981	2082367 799	0	0 5	Lithium	13	0 49	11 55	20400	N/A	mg/kg
	BY36-018	748584 981	2082367 799	0	0 5	Naphthalene	19 9	5 24	N/A	3090000	N/A	ug/kg
	BY36-018	748584 981	2082367 799	0 5	2 5	Naphthalene	44 9	5 24	N/A	3090000	N/A	ug/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BY36-018	748584 981	2082367 799	0	0 5	Nickel	15	0 2	14 91	20400	N/A	mg/kg
	BY36-018	748584 981	2082367 799	0	0 5	Uranium, Total	9 3	1 4	5 98	2750	67 8	mg/kg
	BY36-018	748584 981	2082367 799	0 5	2 5	Uranium, Total	5 8	1 4	3 04	2750	67 8	mg/kg
	BY36-018	748584 981	2082367 799	0	0 5	Uranium-234	3 55	1 79	2 25	300	1800	pCi/g
	BY36-018	748584 981	2082367 799	0 5	2 5	Uranium-234	4 59	1 72	2 64	300	1800	pCi/g
	BY36-018	748584 981	2082367 799	0	0 5	Uranium-235	0 28	0 2	0 09	8	1900	pCi/g
	BY36-018	748584 981	2082367 799	0 5	2 5	Uranium-235	0 24	0 13	0 12	8	1900	pCi/g
	BY36-018	748584 981	2082367 799	0	0 5	Uranium-238	3 55	1 79	2	351	1600	pCi/g
	BY36-018	748584 981	2082367 799	0 5	2 5	Uranium-238	4 59	1 72	1 49	351	1600	pCi/g
	BY36-018	748584 981	2082367 799	0	0 5	Zinc	520	0 46	73 76	307000	N/A	mg/kg
	BY36-018	748584 981	2082367 799	0 5	2 5	Zinc	480	0 47	139 1	307000	N/A	mg/kg
IHSS 136 1	BW35-000	748553 207	2081995 615	0	0 5	Acetone	31	119	N/A	102000000	211000	ug/kg
	BW35-000	748553 207	2081995 615	0	0 5	Naphthalene	3 4	5 94	N/A	3090000	N/A	ug/kg
	BW35-000	748553 207	2081995 615	0 5	2 5	Uranium, Total	11 7	3 98	3 04	2750	67 8	mg/kg
	BW35-000	748553 207	2081995 615	0 5	2 5	Uranium-234	4 9	1 67	2 64	300	1800	pCi/g
	BW35-000	748553 207	2081995 615	0 5	2 5	Uranium-235	0 26	0 15	0 12	8	1900	pCi/g
	BW35-000	748553 207	2081995 615	0 5	2 5	Uranium-238	4 9	1 67	1 49	351	1600	pCi/g
	BW35-001	748537 589	2082014 529	0	0 5	Aluminum	36000	5 1	16902	228000	N/A	mg/kg
	BW35-001	748537 589	2082014 529	0	0 5	Beryllium	1 8	0 11	0 97	921	2 15	mg/kg
	BW35-001	748537 589	2082014 529	0	0 5	Chromium	36	0 16	16 99	268	N/A	mg/kg
	BW35-001	748537 589	2082014 529	0	0 5	Copper	22	0 05	18 06	40900	N/A	mg/kg
	BW35-001	748537 589	2082014 529	0	0 5	Iron	23000	1 5	18037	307000	N/A	mg/kg
	BW35-001	**748537 589**	**2082014 529**	**0**	**0 5**	**Lead**	**27**	**0 28**	**54 62**	**1000**	**25 6**	**mg/kg**
	BW35-001	748537 589	2082014 529	0	0 5	Lithium	18	0 51	11 55	20400	N/A	mg/kg
	BW35-001	748537 589	2082014 529	0	0 5	Naphthalene	14 1	5 87	N/A	3090000	N/A	ug/kg
	BW35-001	748537 589	2082014 529	0 5	2 5	Naphthalene	2 6	5 16	N/A	3090000	N/A	ug/kg
	BW35-001	748537 589	2082014 529	0	0 5	Nickel	23	0 21	14 91	20400	N/A	mg/kg
	BW35-001	748537 589	2082014 529	0	0 5	Uranium, Total	15	1 5	5 98	2750	67 8	mg/kg
	BW35-001	748537 589	2082014 529	0 5	2 5	Uranium, Total	6 69	6 1	3 04	2750	67 8	mg/kg
	BW35-001	748537 589	2082014 529	0	0 5	Uranium-234	8 92	1 95	2 25	300	1800	pCi/g
	BW35-001	748537 589	2082014 529	0	0 5	Uranium-235	0 26	0 15	0 09	8	1900	pCi/g
	BW35-001	748537 589	2082014 529	0	0 5	Uranium-238	8 92	1 95	2	351	1600	pCi/g
	BW35-001	748537 589	2082014 529	0 5	2 5	Uranium-238	2 25	2 05	1 49	351	1600	pCi/g
	BW35-001	748537 589	2082014 529	0	0 5	Vanadium	54	0 49	45 59	7150	433	mg/kg
	BW35-001	748537 589	2082014 529	0	0 5	Zinc	110	0 48	73 76	307000	N/A	mg/kg
	BW36-002	748633 051	2082015 94	0	0 5	Aluminum	20000	4 9	16902	228000	N/A	mg/kg
	BW36-002	748633 051	2082015 94	0	0 5	Beryllium	0 97	0 1	0 97	921	2 15	mg/kg
	BW36-002	748633 051	2082015 94	0	0 5	Chromium	17	0 15	16 99	268	N/A	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BW36-002	748633 051	2082015 94	0	0 5	Ethylbenzene	1 1	5 1	N/A	4250000	N/A	ug/kg
	BW36-002	748633 051	2082015 94	0	0 5	Naphthalene	1 2	5 1	N/A	3090000	N/A	ug/kg
	BW36-002	748633 051	2082015 94	0	0 5	Toluene	1 8	5 1	N/A	31300000	128000	ug/kg
	BW36-002	748633 051	2082015 94	0	0 5	Uranium, Total	8 73	4 93	5 98	2750	67 8	mg/kg
	BW36-002	748633 051	2082015 94	0 5	2 5	Uranium, Total	11 85	4 96	3 04	2750	67 8	mg/kg
	BW36-002	748633 051	2082015 94	0	0 5	Uranium-234	3 18	1 8	2 25	300	1800	pCi/g
	BW36-002	748633 051	2082015 94	0 5	2 5	Uranium-234	3 99	1 67	2 64	300	1800	pCi/g
	BW36-002	748633 051	2082015 94	0	0 5	Uranium-235	0 19	0 14	0 09	8	1900	pCi/g
	BW36-002	748633 051	2082015 94	0 5	2 5	Uranium-235	0 18	0 12	0 12	8	1900	pCi/g
	BW36-002	748633 051	2082015 94	0	0 5	Uranium-238	3 18	1 8	2	351	1600	pCi/g
	BW36-002	748633 051	2082015 94	0 5	2 5	Uranium-238	3 99	1 67	1 49	351	1600	pCi/g
	BW36-002	748633 051	2082015 94	0	0 5	Xylene	6 1	10 2	N/A	2040000	N/A	ug/kg
	BW36-003	748663 609	2082020 607	0	0 5	Acetone	125	111	N/A	102000000	211000	ug/kg
	BW36-003	748663 609	2082020 607	0	0 5	Aluminum	23000	5 2	16902	228000	N/A	mg/kg
	BW36-003	748663 609	2082020 607	0	0 5	Beryllium	1 1	0 11	0 97	921	2 15	mg/kg
	BW36-003	748663 609	2082020 607	0	0 5	Chromium	19	0 16	16 99	268	N/A	mg/kg
	BW36-003	748663 609	2082020 607	0	0 5	Lithium	14	0 52	11 55	20400	N/A	mg/kg
	BW36-003	748663 609	2082020 607	0	0 5	Naphthalene	1 1	5 55	N/A	3090000	N/A	ug/kg
	BW36-003	748663 609	2082020 607	0	0 5	Nickel	15	0 21	14 91	20400	N/A	mg/kg
	BW36-003	748663 609	2082020 607	0	0 5	Uranium, Total	10 76	5 26	5 98	2750	67 8	mg/kg
	BW36-003	748663 609	2082020 607	0	0 5	Uranium-234	3 62	1 77	2 25	300	1800	pCi/g
	BW36-003	748663 609	2082020 607	0	0 5	Uranium-235	0 2	0 13	0 09	8	1900	pCi/g
	BW36-003	748663 609	2082020 607	0 5	2 5	Uranium-235	0 15	0 11	0 12	8	1900	pCi/g
	BW36-003	748663 609	2082020 607	0	0 5	Uranium-238	3 62	1 77	2	351	1600	pCi/g
	BW36-004	748607 339	2081994 191	0	0 5	Acetone	35	5 3	N/A	102000000	211000	ug/kg
	BW36-004	748607 339	2081994 191	0	0 5	Aluminum	26000	5 2	16902	228000	N/A	mg/kg
	BW36-004	748607 339	2081994 191	0	0 5	Arsenic	18	0 86	10 09	22 2	21 6	mg/kg
	BW36-004	748607 339	2081994 191	0	0 5	Beryllium	1 9	0 11	0 97	921	2 15	mg/kg
	BW36-004	748607 339	2081994 191	0	0 5	Chromium	19	0 16	16 99	268	N/A	mg/kg
	BW36-004	748607 339	2081994 191	0	0 5	Cobalt	13	0 2	10 91	1550	N/A	mg/kg
	BW36-004	748607 339	2081994 191	0	0 5	Iron	28000	1 5	18037	307000	N/A	mg/kg
	BW36-004	748607 339	2081994 191	0	0 5	Lithium	15	0 52	11 55	20400	N/A	mg/kg
	BW36-004	748607 339	2081994 191	0	0 5	Manganese	750	0 18	365 08	3480	N/A	mg/kg
	BW36-004	748607 339	2081994 191	0	0 5	Methylene chloride	1 8	0 92	N/A	2530000	39500	ug/kg
	BW36-004	748607 339	2081994 191	0 5	2 5	Methylene chloride	1 5	0 89	N/A	2530000	39500	ug/kg
	BW36-004	748607 339	2081994 191	0	0 5	Nickel	29	0 21	14 91	20400	N/A	mg/kg
	BW36-004	748607 339	2081994 191	0 5	2 5	Uranium, Total	11 48	4 35	3 04	2750	67 8	mg/kg
	BW36-004	748607 339	2081994 191	0 5	2 5	Uranium-234	3 87	1 47	2 64	300	1800	pCi/g

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BW36-004	748607 339	2081994 191	0 5	2 5	Uranium-235	0 22	0 12	0 12	8	1900	pCi/g
	BW36-004	748607 339	2081994 191	0 5	2 5	Uranium-238	3 87	1 47	1 49	351	1600	pCi/g
	BW36-004	748607 339	2081994 191	0	0 5	Vanadium	77	0 49	45 59	7150	433	mg/kg
	BW36-005	748641 844	2081997 404	0	0 5	Aluminum	69000	5 4	16902	228000	N/A	mg/kg
	BW36-005	748641 844	2081997 404	0	0 5	Arsenic	11	0 9	10 09	22 2	21 6	mg/kg
	BW36-005	748641 844	2081997 404	0	0 5	Barium	180	0 41	141 26	26400	N/A	mg/kg
	BW36-005	**748641 844**	**2081997 404**	**0**	**0 5**	**Beryllium**	**2 8**	**0 11**	**0 97**	**921**	**2 15**	**mg/kg**
	BW36-005	748641 844	2081997 404	0	0 5	Chromium	28	0 17	16 99	268	N/A	mg/kg
	BW36-005	748641 844	2081997 404	0	0 5	Cobalt	17	0 2	10 91	1550	N/A	mg/kg
	BW36-005	748641 844	2081997 404	0	0 5	Iron	31000	1 6	18037	307000	N/A	mg/kg
	BW36-005	748641 844	2081997 404	0	0 5	Lithium	38	0 54	11 55	20400	N/A	mg/kg
	BW36-005	748641 844	2081997 404	0	0 5	Mercury	0 19	0 01	0 13	25200	N/A	mg/kg
	BW36-005	748641 844	2081997 404	0	0 5	Nickel	51	0 22	14 91	20400	N/A	mg/kg
	BW36-005	748641 844	2081997 404	0	0 5	Strontium	150	0 07	48 94	613000	N/A	mg/kg
	BW36-005	748641 844	2081997 404	0	0 5	Toluene	1 5	5 7	N/A	31300000	128000	ug/kg
	BW36-005	748641 844	2081997 404	0 5	2 5	Uranium-235	0 2	0 19	0 12	8	1900	pCi/g
	BW36-005	748641 844	2081997 404	0	0 5	Vanadium	72	0 52	45 59	7150	433	mg/kg
	BW36-005	748641 844	2081997 404	0	0 5	Xylene	8	11 4	N/A	2040000	N/A	ug/kg
	BW36-006	748566 436	2082020 639	0	0 5	Acetone	50	123	N/A	102000000	211000	ug/kg
	BW36-006	748566 436	2082020 639	0	0 5	Aluminum	19000	5 3	16902	228000	N/A	mg/kg
	BW36-006	748566 436	2082020 639	0	0 5	Chromium	23	0 16	16 99	268	N/A	mg/kg
	BW36-006	748566 436	2082020 639	0	0 5	Lithium	14	0 53	11 55	20400	N/A	mg/kg
	BW36-006	748566 436	2082020 639	0	0 5	Naphthalene	4 9	6 15	N/A	3090000	N/A	ug/kg
	BW36-006	748566 436	2082020 639	0	0 5	Uranium, Total	13 62	5 65	5 98	2750	67 8	mg/kg
	BW36-006	748566 436	2082020 639	0 5	2 5	Uranium, Total	10 4	4 04	3 04	2750	67 8	mg/kg
	BW36-006	748566 436	2082020 639	0	0 5	Uranium-234	4 59	1 9	2 25	300	1800	pCi/g
	BW36-006	748566 436	2082020 639	0 5	2 5	Uranium-234	4 16	1 62	2 64	300	1800	pCi/g
	BW36-006	748566 436	2082020 639	0	0 5	Uranium-235	0 28	0 14	0 09	8	1900	pCi/g
	BW36-006	748566 436	2082020 639	0 5	2 5	Uranium-235	0 19	0 13	0 12	8	1900	pCi/g
	BW36-006	748566 436	2082020 639	0	0 5	Uranium-238	4 59	1 9	2	351	1600	pCi/g
	BW36-006	748566 436	2082020 639	0 5	2 5	Uranium-238	4 16	1 62	1 49	351	1600	pCi/g
IHSS 136 2	BZ36-000-01	748749 953	2082635 815	0	0 5	Chromium	26	0 17	16 99	268	N/A	mg/kg
	BZ36-000-01	748749 953	2082635 815	0 5	2 5	Cobalt	31	0 19	29 04	1550	N/A	mg/kg
	BZ36-000-01	748749 953	2082635 815	0	0 5	Uranium, Total	25 3	4 43	5 98	2750	67 8	mg/kg
	BZ36-000-01	748749 953	2082635 815	0 5	2 5	Uranium, Total	17 43	3 86	3 04	2750	67 8	mg/kg
	BZ36-000-01	748749 953	2082635 815	2 5	4 5	Uranium, Total	8 73	3 39	3 04	2750	67 8	mg/kg
	BZ36-000-01	748749 953	2082635 815	0	0 5	Uranium-234	9 74	1 7	2 25	300	1800	pCi/g
	BZ36-000-01	748749 953	2082635 815	0 5	2 5	Uranium-234	6 91	1 53	2 64	300	1800	pCi/g

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BZ36-000-01	748749 953	2082635 815	2 5	4 5	Uranium-234	3 23	1 25	2 64	300	1800	pCi/g
	BZ36-000-01	748749 953	2082635 815	0	0 5	Uranium-235	0 35	0 12	0 09	8	1900	pCi/g
	BZ36-000-01	748749 953	2082635 815	2 5	4 5	Uranium-235	0 18	0 11	0 12	8	1900	pCi/g
	BZ36-000-01	748749 953	2082635 815	0	0 5	Uranium-238	9 74	1 7	2	351	1600	pCi/g
	BZ36-000-01	748749 953	2082635 815	0 5	2 5	Uranium-238	6 91	1 53	1 49	351	1600	pCi/g
	BZ36-000-01	748749 953	2082635 815	2 5	4 5	Uranium-238	3 23	1 25	1 49	351	1600	pCi/g
	BZ36-000-01	748749 953	2082635 815	0	0 5	Zinc	140	0 5	73 76	307000	N/A	mg/kg
	BZ36-001-01	748718 868	2082654 034	0 5	2 5	Acetone	88	114	N/A	102000000	211000	ug/kg
	BZ36-001-01	748718 868	2082654 034	2 5	4 5	Acetone	35	105	N/A	102000000	211000	ug/kg
	BZ36-001-01	748718 868	2082654 034	0	0 5	Aluminum	18000	5	16902	228000	N/A	mg/kg
	BZ36-001-01	748718 868	2082654 034	0 5	2 5	Aluminum	42000	5 1	35373 17	228000	N/A	mg/kg
	BZ36-001-01	748718 868	2082654 034	2 5	4 5	Aluminum	39000	5 5	35373 17	228000	N/A	mg/kg
	BZ36-001-01	748718 868	2082654 034	2 5	4 5	Arsenic	21	0 91	13 14	22 2	21 6	mg/kg
	BZ36-001-01	**748718 868**	**2082654 034**	**2 5**	**4 5**	**Beryllium**	**2 9**	**0 11**	**14 2**	**921**	**2 15**	**mg/kg**
	BZ36-001-01	748718 868	2082654 034	2 5	4 5	Chloromethane	1 8	5 26	N/A	371000	N/A	ug/kg
	BZ36-001-01	748718 868	2082654 034	0	0 5	Chromium	22	0 16	16 99	268	N/A	mg/kg
	BZ36-001-01	748718 868	2082654 034	0	0 5	Lithium	14	0 5	11 55	20400	N/A	mg/kg
	BZ36-001-01	748718 868	2082654 034	0	0 5	Uranium, Total	13 9	3 56	5 98	2750	67 8	mg/kg
	BZ36-001-01	748718 868	2082654 034	0 5	2 5	Uranium, Total	9 41	4 34	3 04	2750	67 8	mg/kg
	BZ36-001-01	748718 868	2082654 034	2 5	4 5	Uranium, Total	9 95	5 26	3 04	2750	67 8	mg/kg
	BZ36-001-01	748718 868	2082654 034	0	0 5	Uranium-234	5 51	1 41	2 25	300	1800	pCi/g
	BZ36-001-01	748718 868	2082654 034	0 5	2 5	Uranium-234	3 53	1 63	2 64	300	1800	pCi/g
	BZ36-001-01	748718 868	2082654 034	2 5	4 5	Uranium-234	3 87	2 04	2 64	300	1800	pCi/g
	BZ36-001-01	748718 868	2082654 034	0	0 5	Uranium-235	0 14	0 14	0 09	8	1900	pCi/g
	BZ36-001-01	748718 868	2082654 034	0 5	2 5	Uranium-235	0 21	0 13	0 12	8	1900	pCi/g
	BZ36-001-01	748718 868	2082654 034	2 5	4 5	Uranium-235	0 18	0 13	0 12	8	1900	pCi/g
	BZ36-001-01	748718 868	2082654 034	0	0 5	Uranium-238	5 51	1 41	2	351	1600	pCi/g
	BZ36-001-01	748718 868	2082654 034	0 5	2 5	Uranium-238	3 53	1 63	1 49	351	1600	pCi/g
	BZ36-001-01	748718 868	2082654 034	2 5	4 5	Uranium-238	3 87	2 04	1 49	351	1600	pCi/g
	BZ36-001-01	748718 868	2082654 034	2 5	4 5	Vanadium	95	0 52	88 49	7150	433	mg/kg
	BZ36-002	748687 624	2082636 265	0 5	2 5	Acetone	16	114	N/A	102000000	211000	ug/kg
	BZ36-002	748687 624	2082636 265	2 5	4 5	Acetone	81	115	N/A	102000000	211000	ug/kg
	BZ36-002	748687 624	2082636 265	0	0 5	Aluminum	31000	5 5	16902	228000	N/A	mg/kg
	BZ36-002	748687 624	2082636 265	0	0 5	Beryllium	1 4	0 12	0 97	921	2 15	mg/kg
	BZ36-002	748687 624	2082636 265	0	0 5	Chromium	39	0 17	16 99	268	N/A	mg/kg
	BZ36-002	748687 624	2082636 265	0	0 5	Copper	22	0 05	18 06	40900	N/A	mg/kg
	BZ36-002	748687 624	2082636 265	0	0 5	Iron	21000	1 6	18037	307000	N/A	mg/kg
	BZ36-002	748687 624	2082636 265	0	0 5	Lithium	18	0 55	11 55	20400	N/A	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BZ36-002	748687 624	2082636 265	0 5	2 5	Naphthalene	9 9	5 72	N/A	3090000	N/A	ug/kg
	BZ36-002	748687 624	2082636 265	0	0 5	Nickel	21	0 22	14 91	20400	N/A	mg/kg
	BZ36-002	748687 624	2082636 265	0	0 5	Uranium, Total	13 28	4 07	5 98	2750	67 8	mg/kg
	BZ36-002	748687 624	2082636 265	0 5	2 5	Uranium, Total	9 91	4 78	3 04	2750	67 8	mg/kg
	BZ36-002	748687 624	2082636 265	2 5	4 5	Uranium, Total	10 16	4 4	3 04	2750	67 8	mg/kg
	BZ36-002	748687 624	2082636 265	0	0 5	Uranium-234	5 51	1 69	2 25	300	1800	pCi/g
	BZ36-002	748687 624	2082636 265	0 5	2 5	Uranium-234	3 34	1 61	2 64	300	1800	pCi/g
	BZ36-002	748687 624	2082636 265	2 5	4 5	Uranium-234	4 22	1 83	2 64	300	1800	pCi/g
	BZ36-002	748687 624	2082636 265	0	0 5	Uranium-235	0 26	0 13	0 09	8	1900	pCi/g
	BZ36-002	748687 624	2082636 265	2 5	4 5	Uranium-235	0 23	0 15	0 12	8	1900	pCi/g
	BZ36-002	748687 624	2082636 265	0	0 5	Uranium-238	5 51	1 69	2	351	1600	pCi/g
	BZ36-002	748687 624	2082636 265	0 5	2 5	Uranium-238	3 34	1 61	1 49	351	1600	pCi/g
	BZ36-002	748687 624	2082636 265	2 5	4 5	Uranium-238	4 22	1 83	1 49	351	1600	pCi/g
	BZ36-002	748687 624	2082636 265	0	0 5	Vanadium	59	0 53	45 59	7150	433	mg/kg
	BZ37-000	748843 601	2082653 285	0	0 5	Aluminum	61000	5 4	16902	228000	N/A	mg/kg
	BZ37-000	748843 601	2082653 285	0 5	2 5	Aluminum	46000	5 6	35373 17	228000	N/A	mg/kg
	BZ37-000	748843 601	2082653 285	2 5	4 5	Aluminum	46000	5 8	35373 17	228000	N/A	mg/kg
	BZ37-000	748843 601	2082653 285	0	0 5	Arsenic	20	0 9	10 09	22 2	21 6	mg/kg
	BZ37-000	748843 601	2082653 285	0	0 5	Barium	160	0 41	141 26	26400	N/A	mg/kg
	BZ37-000	**748843 601**	**2082653 285**	**0**	**0 5**	**Beryllium**	**2.7**	**0.11**	**0 97**	**921**	**2 15**	**mg/kg**
	BZ37-000	**748843 601**	**2082653 285**	**2 5**	**4 5**	**Beryllium**	**3 3**	**0 12**	**14 2**	**921**	**2 15**	**mg/kg**
	BZ37-000	748843 601	2082653 285	0	0 5	Chromium	52	0 17	16 99	268	N/A	mg/kg
	BZ37-000	748843 601	2082653 285	0	0 5	Copper	19	0 05	18 06	40900	N/A	mg/kg
	BZ37-000	748843 601	2082653 285	0	0 5	Iron	35000	1 6	18037	307000	N/A	mg/kg
	BZ37-000	748843 601	2082653 285	0	0 5	Lithium	50	0 54	11 55	20400	N/A	mg/kg
	BZ37-000	748843 601	2082653 285	0 5	2 5	Naphthalene	1 3	6 13	N/A	3090000	N/A	ug/kg
	BZ37-000	748843 601	2082653 285	0	0 5	Nickel	47	0 22	14 91	20400	N/A	mg/kg
	BZ37-000	748843 601	2082653 285	0	0 5	Uranium, Total	18 38	4 46	5 98	2750	67 8	mg/kg
	BZ37-000	748843 601	2082653 285	0 5	2 5	Uranium, Total	9 71	4 54	3 04	2750	67 8	mg/kg
	BZ37-000	748843 601	2082653 285	2 5	4 5	Uranium, Total	15 18	4 57	3 04	2750	67 8	mg/kg
	BZ37-000	748843 601	2082653 285	0	0 5	Uranium-234	7 4	1 79	2 25	300	1800	pCi/g
	BZ37-000	748843 601	2082653 285	0 5	2 5	Uranium-234	3 87	1 81	2 64	300	1800	pCi/g
	BZ37-000	748843 601	2082653 285	2 5	4 5	Uranium-234	6 55	1 97	2 64	300	1800	pCi/g
	BZ37-000	748843 601	2082653 285	0	0 5	Uranium-235	0 22	0 17	0 09	8	1900	pCi/g
	BZ37-000	748843 601	2082653 285	0 5	2 5	Uranium-235	0 17	0 13	0 12	8	1900	pCi/g
	BZ37-000	748843 601	2082653 285	0	0 5	Uranium-238	7 4	1 79	2	351	1600	pCi/g
	BZ37-000	748843 601	2082653 285	0 5	2 5	Uranium-238	3 87	1 81	1 49	351	1600	pCi/g
	BZ37-000	748843 601	2082653 285	2 5	4 5	Uranium-238	6 55	1 97	1 49	351	1600	pCi/g

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BZ37-000	748843 601	2082653 285	0	0 5	Vanadium	110	0 52	45 59	7150	433	mg/kg
	BZ37-001	748812 329	2082635 466	0 5	2 5	Acetone	18	137	N/A	102000000	211000	ug/kg
	BZ37-001	748812 329	2082635 466	0	0 5	Aluminum	20000	4 9	16902	228000	N/A	mg/kg
	BZ37-001	748812 329	2082635 466	0 5	2 5	Aluminum	47000	5 7	35373 17	228000	N/A	mg/kg
	BZ37-001	748812 329	2082635 466	0	0 5	Beryllium	1	0 1	0 97	921	2 15	mg/kg
	BZ37-001	748812 329	2082635 466	0	0 5	Chromium	130	0 15	16 99	268	N/A	mg/kg
	BZ37-001	748812 329	2082635 466	0	0 5	Copper	24	0 05	18 06	40900	N/A	mg/kg
	BZ37-001	748812 329	2082635 466	0	0 5	Lithium	23	0 49	11 55	20400	N/A	mg/kg
	BZ37-001	748812 329	2082635 466	0 5	2 5	Lithium	59	0 57	34 66	20400	N/A	mg/kg
	BZ37-001	748812 329	2082635 466	0	0 5	Nickel	15	0 2	14 91	20400	N/A	mg/kg
	BZ37-001	748812 329	2082635 466	0	0 5	Uranium, Total	14 32	4 48	5 98	2750	67 8	mg/kg
	BZ37-001	748812 329	2082635 466	0 5	2 5	Uranium, Total	10 87	4 4	3 04	2750	67 8	mg/kg
	BZ37-001	748812 329	2082635 466	2 5	4 5	Uranium, Total	14 24	4 91	3 04	2750	67 8	mg/kg
	BZ37-001	748812 329	2082635 466	0	0 5	Uranium-234	5 4	1 69	2 25	300	1800	pCi/g
	BZ37-001	748812 329	2082635 466	0 5	2 5	Uranium-234	4 61	1 86	2 64	300	1800	pCi/g
	BZ37-001	748812 329	2082635 466	2 5	4 5	Uranium-234	4 79	1 65	2 64	300	1800	pCi/g
	BZ37-001	748812 329	2082635 466	0	0 5	Uranium-235	0 23	0 13	0 09	8	1900	pCi/g
	BZ37-001	748812 329	2082635 466	0 5	2 5	Uranium-235	0 19	0 15	0 12	8	1900	pCi/g
	BZ37-001	748812 329	2082635 466	2 5	4 5	Uranium-235	0 21	0 13	0 12	8	1900	pCi/g
	BZ37-001	748812 329	2082635 466	0	0 5	Uranium-238	5 4	1 69	2	351	1600	pCi/g
	BZ37-001	748812 329	2082635 466	0 5	2 5	Uranium-238	4 61	1 86	1 49	351	1600	pCi/g
	BZ37-001	748812 329	2082635 466	2 5	4 5	Uranium-238	4 79	1 65	1 49	351	1600	pCi/g
	BZ37-001	748812 329	2082635 466	0	0 5	Zinc	79	0 46	73 76	307000	N/A	mg/kg
	BZ37-002	748781 248	2082653 648	0 5	2 5	Aluminum	38000	5 1	35373 17	228000	N/A	mg/kg
	BZ37-002	748781 248	2082653 648	0	0 5	Chromium	26	0 15	16 99	268	N/A	mg/kg
	BZ37-002	748781 248	2082653 648	0 5	2 5	Lithium	47	0 51	34 66	20400	N/A	mg/kg
	BZ37-002	748781 248	2082653 648	0	0 5	Uranium, Total	10 84	4 24	5 98	2750	67 8	mg/kg
	BZ37-002	748781 248	2082653 648	0 5	2 5	Uranium, Total	25 22	4 81	3 04	2750	67 8	mg/kg
	BZ37-002	748781 248	2082653 648	2 5	4 5	Uranium, Total	10 75	3 92	3 04	2750	67 8	mg/kg
	BZ37-002	748781 248	2082653 648	0	0 5	Uranium-234	3 65	1 43	2 25	300	1800	pCi/g
	BZ37-002	748781 248	2082653 648	0 5	2 5	Uranium-234	9 57	1 83	2 64	300	1800	pCi/g
	BZ37-002	748781 248	2082653 648	2 5	4 5	Uranium-234	4 13	1 51	2 64	300	1800	pCi/g
	BZ37-002	748781 248	2082653 648	0	0 5	Uranium-235	0 22	0 11	0 09	8	1900	pCi/g
	BZ37-002	748781 248	2082653 648	2 5	4 5	Uranium-235	0 19	0 12	0 12	8	1900	pCi/g
	BZ37-002	748781 248	2082653 648	0	0 5	Uranium-238	3 65	1 43	2	351	1600	pCi/g
	BZ37-002	748781 248	2082653 648	0 5	2 5	Uranium-238	9 57	1 83	1 49	351	1600	pCi/g
	BZ37-002	748781 248	2082653 648	2 5	4 5	Uranium-238	4 13	1 51	1 49	351	1600	pCi/g
IHSS 182	BX36-001	748725 092	2082193 209	0	0 5	Acetone	76	110	N/A	102000000	211000	ug/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BX36-001	748725 092	2082193 209	0 5	2 5	Acetone	37	124	N/A	102000000	211000	ug/kg
	BX36-001	748725 092	2082193 209	0	0 5	Naphthalene	573	26 1	N/A	3090000	N/A	ug/kg
	BX36-001	748725 092	2082193 209	0 5	2 5	Naphthalene	261	6 2	N/A	3090000	N/A	ug/kg
	BX36-001	748725 092	2082193 209	0	0 5	Uranium, Total	10 42	4 51	5 98	2750	67 8	mg/kg
	BX36-001	748725 092	2082193 209	0 5	2 5	Uranium, Total	4 4	2 49	3 04	2750	67 8	mg/kg
	BX36-001	748725 092	2082193 209	0	0 5	Uranium-234	3 92	1 7	2 25	300	1800	pCi/g
	BX36-001	748725 092	2082193 209	0	0 5	Uranium-235	0 22	0 16	0 09	8	1900	pCi/g
	BX36-001	748725 092	2082193 209	0 5	2 5	Uranium-235	0 14	0 11	0 12	8	1900	pCi/g
	BX36-001	748725 092	2082193 209	0	0 5	Uranium-238	3 92	1 7	2	351	1600	pCi/g
	BX36-001	748725 092	2082193 209	0 5	2 5	Uranium-238	1 74	0 99	1 49	351	1600	pCi/g
	BX36-002	748756 917	2082184 786	0	0 5	Acetone	57	102	N/A	102000000	211000	ug/kg
	BX36-002	748756 917	2082184 786	0 5	2 5	Acetone	47	105	N/A	102000000	211000	ug/kg
	BX36-002	748756 917	2082184 786	0	0 5	Ethylbenzene	2	5 09	N/A	4250000	N/A	ug/kg
	BX36-002	748756 917	2082184 786	0 5	2 5	Ethylbenzene	4 3	5 23	N/A	4250000	N/A	ug/kg
	BX36-002	748756 917	2082184 786	0	0 5	Tetrachloroethene	3 3	5 09	N/A	615000	37500	ug/kg
	BX36-002	748756 917	2082184 786	0 5	2 5	Tetrachloroethene	5 29	5 23	N/A	615000	37500	ug/kg
	BX36-002	748756 917	2082184 786	0	0 5	Toluene	3 1	5 09	N/A	31300000	128000	ug/kg
	BX36-002	748756 917	2082184 786	0 5	2 5	Toluene	5 31	5 23	N/A	31300000	128000	ug/kg
	BX36-002	748756 917	2082184 786	0	0 5	Uranium, Total	12 11	4 23	5 98	2750	67 8	mg/kg
	BX36-002	748756 917	2082184 786	0 5	2 5	Uranium, Total	10 31	4 84	3 04	2750	67 8	mg/kg
	BX36-002	748756 917	2082184 786	0	0 5	Uranium-234	4 08	1 43	2 25	300	1800	pCi/g
	BX36-002	748756 917	2082184 786	0 5	2 5	Uranium-234	3 88	1 82	2 64	300	1800	pCi/g
	BX36-002	748756 917	2082184 786	0	0 5	Uranium-235	0 2	0 11	0 09	8	1900	pCi/g
	BX36-002	748756 917	2082184 786	0 5	2 5	Uranium-235	0 17	0 11	0 12	8	1900	pCi/g
	BX36-002	748756 917	2082184 786	0	0 5	Uranium-238	4 08	1 43	2	351	1600	pCi/g
	BX36-002	748756 917	2082184 786	0 5	2 5	Uranium-238	3 88	1 82	1 49	351	1600	pCi/g
	BX36-002	748756 917	2082184 786	0	0 5	Xylene	19 2	10 2	N/A	2040000	N/A	ug/kg
	BX36-002	748756 917	2082184 786	0 5	2 5	Xylene	21 2	10 5	N/A	2040000	N/A	ug/kg
	BX36-003	748756 819	2082151 125	0	0 5	1,1,1-Trichloroethane	17	1	N/A	79700000	N/A	ug/kg
	BX36-003	748756 819	2082151 125	0	0 5	2-Butanone	66	4 8	N/A	192000000	433000	ug/kg
	BX36-003	748756 819	2082151 125	0 5	2 5	2-Butanone	13	5 8	N/A	192000000	433000	ug/kg
	BX36-003	748756 819	2082151 125	0	0 5	4-Methyl-2-pentanone	9 2	4	N/A	16400000	N/A	ug/kg
	BX36-003	748756 819	2082151 125	0	0 5	Acetone	1300	23	N/A	102000000	211000	ug/kg
	BX36-003	748756 819	2082151 125	0 5	2 5	Acetone	85	5 6	N/A	102000000	211000	ug/kg
	BX36-003	748756 819	2082151 125	0	0 5	Chromium	23	0 14	16 99	268	N/A	mg/kg
	BX36-003	748756 819	2082151 125	0	0 5	Copper	260	0 04	18 06	40900	N/A	mg/kg
	BX36-003	748756 819	2082151 125	0	0 5	Ethylbenzene	110	1 2	N/A	4250000	N/A	ug/kg
	BX36-003	748756 819	2082151 125	0	0 5	Iron	24000	1 3	18037	307000	N/A	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BX36-003	748756 819	2082151 125	0	0 5	Lithium	14	0 46	11 55	20400	N/A	mg/kg
	BX36-003	748756 819	2082151 125	0	0 5	Manganese	420	0 16	365 08	3480	N/A	mg/kg
	BX36-003	748756 819	2082151 125	0	0 5	Methylene chloride	0 83	0 82	N/A	2530000	39500	ug/kg
	BX36-003	748756 819	2082151 125	0	0 5	Naphthalene	35	0 88	N/A	3090000	N/A	ug/kg
	BX36-003	748756 819	2082151 125	0 5	2 5	Naphthalene	11	1 1	N/A	3090000	N/A	ug/kg
	BX36-003	748756 819	2082151 125	0	0 5	Nickel	18	0 18	14 91	20400	N/A	mg/kg
	BX36-003	748756 819	2082151 125	0	0 5	Strontium	70	0 06	48 94	613000	N/A	mg/kg
	BX36-003	748756 819	2082151 125	0	0 5	Toluene	2 8	0 8	N/A	31300000	128000	ug/kg
	BX36-003	748756 819	2082151 125	0	0 5	Uranium, Total	21	1 3	5 98	2750	67 8	mg/kg
	BX36-003	748756 819	2082151 125	0 5	2 5	Uranium, Total	13 34	5 82	3 04	2750	67 8	mg/kg
	BX36-003	748756 819	2082151 125	0	0 5	Uranium-234	5 38	1 31	2 25	300	1800	pCi/g
	BX36-003	748756 819	2082151 125	0 5	2 5	Uranium-234	4 49	1 96	2 64	300	1800	pCi/g
	BX36-003	748756 819	2082151 125	0	0 5	Uranium-235	0 19	0 15	0 09	8	1900	pCi/g
	BX36-003	748756 819	2082151 125	0 5	2 5	Uranium-235	0 25	0 15	0 12	8	1900	pCi/g
	BX36-003	748756 819	2082151 125	0	0 5	Uranium-238	5 38	1 31	2	351	1600	pCi/g
	BX36-003	748756 819	2082151 125	0 5	2 5	Uranium-238	4 49	1 96	1 49	351	1600	pCi/g
	BX36-003	748756 819	2082151 125	0	0 5	Vanadium	56	0 44	45 59	7150	433	mg/kg
	BX36-003	748756 819	2082151 125	0	0 5	Xylene	540	14	N/A	2040000	N/A	ug/kg
	BX36-003	748756 819	2082151 125	0	0 5	Zinc	200	0 43	73 76	307000	N/A	mg/kg
	BX36-004	748705 56	2082145 068	0	0 5	Acetone	124	109	N/A	102000000	211000	ug/kg
	BX36-004	748705 56	2082145 068	0	0 5	Aluminum	26000	4 9	16902	228000	N/A	mg/kg
	BX36-004	748705 56	2082145 068	0	0 5	Beryllium	1 3	0 1	0 97	921	2 15	mg/kg
	BX36-004	748705 56	2082145 068	0	0 5	Chromium	18	0 15	16 99	268	N/A	mg/kg
	BX36-004	748705 56	2082145 068	0	0 5	Iron	19000	1 4	18037	307000	N/A	mg/kg
	BX36-004	748705 56	2082145 068	0	0 5	Lithium	15	0 49	11 55	20400	N/A	mg/kg
	BX36-004	748705 56	2082145 068	0	0 5	Naphthalene	2 6	5 43	N/A	3090000	N/A	ug/kg
	BX36-004	748705 56	2082145 068	0	0 5	Nickel	17	0 2	14 91	20400	N/A	mg/kg
	BX36-004	748705 56	2082145 068	0 5	2 5	Uranium, Total	8 64	3 98	3 04	2750	67 8	mg/kg
	BX36-004	748705 56	2082145 068	0 5	2 5	Uranium-234	3 27	1 51	2 64	300	1800	pCi/g
	BX36-004	748705 56	2082145 068	0	0 5	Uranium-235	0 14	0 12	0 09	8	1900	pCi/g
	BX36-004	748705 56	2082145 068	0 5	2 5	Uranium-235	0 19	0 13	0 12	8	1900	pCi/g
	BX36-004	748705 56	2082145 068	0 5	2 5	Uranium-238	3 27	1 51	1 49	351	1600	pCi/g
	BX36-005	748736 113	2082183 741	0 5	2 5	1,1,1-Trichloroethane	5 4	1	N/A	79700000	N/A	ug/kg
	BX36-005	748736 113	2082183 741	0	0 5	Beryllium	1	0 1	0 97	921	2 15	mg/kg
	BX36-005	748736 113	2082183 741	0	0 5	Cobalt	13	0 18	10 91	1550	N/A	mg/kg
	BX36-005	748736 113	2082183 741	0	0 5	Copper	28	0 04	18 06	40900	N/A	mg/kg
	BX36-005	748736 113	2082183 741	0	0 5	Methylene chloride	0 86	0 83	N/A	2530000	39500	ug/kg
	BX36-005	748736 113	2082183 741	0 5	2 5	Methylene chloride	0 9	0 84	N/A	2530000	39500	ug/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BX36-005	748736 113	2082183 741	0	0 5	Toluene	1 6	5 18	N/A	31300000	128000	ug/kg
	BX36-005	748736 113	2082183 741	0	0 5	Uranium, Total	14 4	5 05	5 98	2750	67 8	mg/kg
	BX36-005	748736 113	2082183 741	0 5	2 5	Uranium, Total	9 56	4 87	3 04	2750	67 8	mg/kg
	BX36-005	748736 113	2082183 741	0	0 5	Uranium-234	5 12	1 8	2 25	300	1800	pCi/g
	BX36-005	748736 113	2082183 741	0 5	2 5	Uranium-234	3 42	1 74	2 64	300	1800	pCi/g
	BX36-005	748736 113	2082183 741	0	0 5	Uranium-235	0 24	0 13	0 09	8	1900	pCi/g
	BX36-005	748736 113	2082183 741	0 5	2 5	Uranium-235	0 26	0 25	0 12	8	1900	pCi/g
	BX36-005	748736 113	2082183 741	0	0 5	Uranium-238	2 44	0 09	2	351	1600	pCi/g
	BX36-005	748736 113	2082183 741	0 5	2 5	Uranium-238	3 42	1 74	1 49	351	1600	pCi/g
	BX36-005	748736 113	2082183 741	0	0 5	Vanadium	62	0 45	45 59	7150	433	mg/kg
	BX36-005	748736 113	2082183 741	0	0 5	Zinc	98	0 44	73 76	307000	N/A	mg/kg
	BX36-006	748703 123	2082174 545	0	0 5	Acetone	75	108	N/A	102000000	211000	ug/kg
	BX36-006	748703 123	2082174 545	0	0 5	Aluminum	27000	5 2	16902	228000	N/A	mg/kg
	BX36-006	748703 123	2082174 545	0	0 5	Beryllium	1 3	0 11	0 97	921	2 15	mg/kg
	BX36-006	748703 123	2082174 545	0	0 5	Iron	19000	1 5	18037	307000	N/A	mg/kg
	BX36-006	748703 123	2082174 545	0	0 5	Lithium	16	0 52	11 55	20400	N/A	mg/kg
	BX36-006	748703 123	2082174 545	0	0 5	Naphthalene	20 4	5 39	N/A	3090000	N/A	ug/kg
	BX36-006	748703 123	2082174 545	0	0 5	Nickel	18	0 21	14 91	20400	N/A	mg/kg
	BX36-006	748703 123	2082174 545	0	0 5	Uranium, Total	11 44	4 46	5 98	2750	67 8	mg/kg
	BX36-006	748703 123	2082174 545	0 5	2 5	Uranium, Total	4 93	3 24	3 04	2750	67 8	mg/kg
	BX36-006	748703 123	2082174 545	0	0 5	Uranium-234	3 85	1 5	2 25	300	1800	pCi/g
	BX36-006	748703 123	2082174 545	0	0 5	Uranium-235	0 22	0 13	0 09	8	1900	pCi/g
	BX36-006	748703 123	2082174 545	0	0 5	Uranium-238	3 85	1 5	2	351	1600	pCi/g
	BX36-006	748703 123	2082174 545	0 5	2 5	Uranium-238	1 81	1 19	1 49	351	1600	pCi/g
	BX36-007	748723 968	2082150 566	0	0 5	Acetone	99	105	N/A	102000000	211000	ug/kg
	BX36-007	748723 968	2082150 566	0	0 5	Aluminum	35000	5 2	16902	228000	N/A	mg/kg
	BX36-007	748723 968	2082150 566	0	0 5	Arsenic	14	0 86	10 09	22 2	21 6	mg/kg
	BX36-007	748723 968	2082150 566	0	0 5	Beryllium	1 8	0 11	0 97	921	2 15	mg/kg
	BX36-007	748723 968	2082150 566	0	0 5	Chromium	28	0 16	16 99	268	N/A	mg/kg
	BX36-007	748723 968	2082150 566	0	0 5	Iron	23000	1 5	18037	307000	N/A	mg/kg
	BX36-007	748723 968	2082150 566	0	0 5	Lithium	22	0 52	11 55	20400	N/A	mg/kg
	BX36-007	748723 968	2082150 566	0	0 5	Naphthalene	2 7	5 25	N/A	3090000	N/A	ug/kg
	BX36-007	748723 968	2082150 566	0 5	2 5	Naphthalene	79 4	6 4	N/A	3090000	N/A	ug/kg
	BX36-007	748723 968	2082150 566	0	0 5	Nickel	30	0 21	14 91	20400	N/A	mg/kg
	BX36-007	748723 968	2082150 566	0 5	2 5	Tetrachloroethene	7 21	6 4	N/A	615000	37500	ug/kg
	BX36-007	748723 968	2082150 566	0 5	2 5	Trichloroethene	3 2	6 4	N/A	19600	509000	ug/kg
	BX36-007	748723 968	2082150 566	0	0 5	Uranium, Total	11 63	5 3	5 98	2750	67 8	mg/kg
	BX36-007	748723 968	2082150 566	0 5	2 5	Uranium, Total	3 68	3 12	3 04	2750	67 8	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BX36-007	748723 968	2082150 566	0	0 5	Uranium-234	3 92	1 78	2 25	300	1800	pCi/g
	BX36-007	748723 968	2082150 566	0	0 5	Uranium-235	0 18	0 12	0 09	8	1900	pCi/g
	BX36-007	748723 968	2082150 566	0	0 5	Uranium-238	3 92	1 78	2	351	1600	pCi/g
	BX36-007	748723 968	2082150 566	0 5	2 5	Uranium-238	1 52	1 28	1 49	351	1600	pCi/g
	BX36-007	748723 968	2082150 566	0	0 5	Vanadium	64	0 49	45 59	7150	433	mg/kg
IHSS 207	BZ36-003	748755 992	2082539 154	0	0 5	Aluminum	26000	5 3	16902	228000	N/A	mg/kg
	BZ36-003	748755 992	2082539 154	0	0 5	Barium	190	0 4	141 26	26400	N/A	mg/kg
	BZ36-003	748755 992	2082539 154	0	0 5	Beryllium	1 1	0 11	0 97	921	2 15	mg/kg
	BZ36-003	748755 992	2082539 154	0	0 5	Chromium	30	0 17	16 99	268	N/A	mg/kg
	BZ36-003	748755 992	2082539 154	0	0 5	Iron	23000	1 5	18037	307000	N/A	mg/kg
	BZ36-003	748755 992	2082539 154	0	0 5	Lithium	18	0 53	11 55	20400	N/A	mg/kg
	BZ36-003	748755 992	2082539 154	0	0 5	Nickel	20	0 21	14 91	20400	N/A	mg/kg
	BZ36-003	748755 992	2082539 154	0	0 5	Strontium	65	0 06	48 94	613000	N/A	mg/kg
	BZ36-003	748755 992	2082539 154	0	0 5	Uranium, Total	10 57	4 43	5 98	2750	67 8	mg/kg
	BZ36-003	748755 992	2082539 154	0 5	2 5	Uranium, Total	9 89	4 54	3 04	2750	67 8	mg/kg
	BZ36-003	748755 992	2082539 154	0	0 5	Uranium-234	4 22	1 77	2 25	300	1800	pCi/g
	BZ36-003	748755 992	2082539 154	0 5	2 5	Uranium-234	3 79	1 74	2 64	300	1800	pCi/g
	BZ36-003	748755 992	2082539 154	0	0 5	Uranium-235	0 24	0 14	0 09	8	1900	pCi/g
	BZ36-003	748755 992	2082539 154	0 5	2 5	Uranium-235	0 23	0 16	0 12	8	1900	pCi/g
	BZ36-003	748755 992	2082539 154	0	0 5	Uranium-238	4 22	1 77	2	351	1600	pCi/g
	BZ36-003	748755 992	2082539 154	0 5	2 5	Uranium-238	3 79	1 74	1 49	351	1600	pCi/g
	BZ36-003	748755 992	2082539 154	0	0 5	Vanadium	60	0 51	45 59	7150	433	mg/kg
	BZ36-004	748733 234	2082570 104	0 5	2 5	Aluminum	39000	5	35373 17	228000	N/A	mg/kg
	BZ36-004	748733 234	2082570 104	0	0 5	Uranium-235	0 22	0 13	0 09	8	1900	pCi/g
	BZ36-005	748759 251	2082576 9	0	0 5	Cobalt	28	0 18	10 91	1550	N/A	mg/kg
	BZ36-005	748759 251	2082576 9	0	0 5	Copper	82	0 04	18 06	40900	N/A	mg/kg
	BZ36-005	748759 251	2082576 9	0	0 5	Tin	9 4	0 82	2 9	613000	N/A	mg/kg
	BZ36-005	748759 251	2082576 9	0	0 5	Uranium, Total	13 34	5 38	5 98	2750	67 8	mg/kg
	BZ36-005	748759 251	2082576 9	0	0 5	Uranium-234	4 91	1 98	2 25	300	1800	pCi/g
	BZ36-005	748759 251	2082576 9	0	0 5	Uranium-235	0 26	0 15	0 09	8	1900	pCi/g
	BZ36-005	748759 251	2082576 9	0	0 5	Uranium-238	4 91	1 98	2	351	1600	pCi/g
IHSS 208	BW36-007	748646 078	2082115 803	0 5	2 5	1,2,4-Trichlorobenzene	1 1	0 83	N/A	9230000	N/A	ug/kg
	BW36-007	748646 078	2082115 803	0	0 5	Acetone	9 6	5	N/A	102000000	211000	ug/kg
	BW36-007	748646 078	2082115 803	0	0 5	Aluminum	24000	4 9	16902	228000	N/A	mg/kg
	BW36-007	748646 078	2082115 803	0	0 5	Antimony	0 49	0 28	0 47	409	N/A	mg/kg
	BW36-007	748646 078	2082115 803	0	0 5	Beryllium	1 3	0 1	0 97	921	2 15	mg/kg
	BW36-007	748646 078	2082115 803	0	0 5	Chromium	19	0 15	16 99	268	N/A	mg/kg
	BW36-007	748646 078	2082115 803	0	0 5	Iron	22000	1 4	18037	307000	N/A	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BW36-007	748646 078	2082115 803	0	0 5	Lithium	14	0 49	11 55	20400	N/A	mg/kg
	BW36-007	748646 078	2082115 803	0 5	2 5	Naphthalene	4 3	1	N/A	3090000	N/A	ug/kg
	BW36-007	748646 078	2082115 803	0	0 5	Nickel	20	0 2	14 91	20400	N/A	mg/kg
	BW36-007	748646 078	2082115 803	0 5	2 5	Uranium, Total	12 85	4 51	3 04	2750	67 8	mg/kg
	BW36-007	748646 078	2082115 803	0 5	2 5	Uranium-234	4 33	1 52	2 64	300	1800	pCi/g
	BW36-007	748646 078	2082115 803	0 5	2 5	Uranium-235	0 2	0 12	0 12	8	1900	pCi/g
	BW36-007	748646 078	2082115 803	0 5	2 5	Uranium-238	4 33	1 52	1 49	351	1600	pCi/g
	BW36-007	748646 078	2082115 803	0	0 5	Vanadium	54	0 47	45 59	7150	433	mg/kg
	BW36-009	748621 893	2082123 026	0	0 5	Acetone	15	4 8	N/A	102000000	211000	ug/kg
	BW36-009	748621 893	2082123 026	0 5	2 5	Methylene chloride	1	0 93	N/A	2530000	39500	ug/kg
	BW36-009	748621 893	2082123 026	0 5	2 5	Toluene	1 5	0 91	N/A	31300000	128000	ug/kg
	BW36-009	748621 893	2082123 026	0 5	2 5	Uranium, Total	5 38	5 07	3 04	2750	67 8	mg/kg
	BW36-009	748621 893	2082123 026	0	0 5	Uranium-235	0 11	0 11	0 09	8	1900	pCi/g
	BW36-009	748621 893	2082123 026	0 5	2 5	Uranium-235	0 14	0 14	0 12	8	1900	pCi/g
	BW36-009	748621 893	2082123 026	0 5	2 5	Uranium-238	1 81	1 71	1 49	351	1600	pCi/g
OPWL Leak (P-5-1)	BY37-000	748949 82	2082386 21	4 5	6 5	Acetone	15	116	N/A	102000000	211000	ug/kg
	BY37-000	748949 82	2082386 21	6 5	8 5	Acetone	16	121	N/A	102000000	211000	ug/kg
	BY37-000	748949 82	2082386 21	2 5	4 5	Uranium, Total	10 66	4 72	3 04	2750	67 8	mg/kg
	BY37-000	748949 82	2082386 21	4 5	6 5	Uranium, Total	11 46	4 66	3 04	2750	67 8	mg/kg
	BY37-000	748949 82	2082386 21	6 5	8 5	Uranium, Total	5	1 5	3 04	2750	67 8	mg/kg
	BY37-000	748949 82	2082386 21	2 5	4 5	Uranium-234	4 31	1 91	2 64	300	1800	pCi/g
	BY37-000	748949 82	2082386 21	4 5	6 5	Uranium-234	4 36	1 77	2 64	300	1800	pCi/g
	BY37-000	748949 82	2082386 21	6 5	8 5	Uranium-234	3 44	1 81	2 64	300	1800	pCi/g
	BY37-000	748949 82	2082386 21	2 5	4 5	Uranium-235	0 23	0 13	0 12	8	1900	pCi/g
	BY37-000	748949 82	2082386 21	4 5	6 5	Uranium-235	0 23	0 13	0 12	8	1900	pCi/g
	BY37-000	748949 82	2082386 21	6 5	8 5	Uranium-235	0 22	0 15	0 12	8	1900	pCi/g
	BY37-000	748949 82	2082386 21	2 5	4 5	Uranium-238	4 31	1 91	1 49	351	1600	pCi/g
	BY37-000	748949 82	2082386 21	4 5	6 5	Uranium-238	4 36	1 77	1 49	351	1600	pCi/g
	BY37-000	748949 82	2082386 21	6 5	8 5	Uranium-238	3 44	1 81	1 49	351	1600	pCi/g
OPWL Leak (P-5-2)	BX37-000	748911 267	2082331 807	2 5	4 5	Acetone	16	113	N/A	102000000	211000	ug/kg
	BX37-000	748911 267	2082331 807	4 5	6 5	Aluminum	36000	5 3	35373 17	228000	N/A	mg/kg
	BX37-000	748911 267	2082331 807	2 5	4 5	Naphthalene	1 1	5 67	N/A	3090000	N/A	ug/kg
	BX37-000	748911 267	2082331 807	2 5	4 5	Uranium, Total	13 53	4 83	3 04	2750	67 8	mg/kg
	BX37-000	748911 267	2082331 807	4 5	6 5	Uranium, Total	9 89	4 34	3 04	2750	67 8	mg/kg
	BX37-000	748911 267	2082331 807	6 5	8 5	Uranium, Total	11 2	5 01	3 04	2750	67 8	mg/kg
	BX37-000	748911 267	2082331 807	2 5	4 5	Uranium-234	4 55	1 63	2 64	300	1800	pCi/g
	BX37-000	748911 267	2082331 807	4 5	6 5	Uranium-234	3 96	1 74	2 64	300	1800	pCi/g
	BX37-000	748911 267	2082331 807	6 5	8 5	Uranium-234	3 77	1 69	2 64	300	1800	pCi/g

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BX37-000	748911 267	2082331 807	2 5	4 5	Uranium-235	0 21	0 13	0 12	8	1900	pCi/g
	BX37-000	748911 267	2082331 807	4 5	6 5	Uranium-235	0 24	0 14	0 12	8	1900	pCi/g
	BX37-000	748911 267	2082331 807	6 5	8 5	Uranium-235	0 18	0 11	0 12	8	1900	pCi/g
	BX37-000	748911 267	2082331 807	2 5	4 5	Uranium-238	4 55	1 63	1 49	351	1600	pCi/g
	BX37-000	748911 267	2082331 807	4 5	6 5	Uranium-238	3 96	1 74	1 49	351	1600	pCi/g
	BX37-000	748911 267	2082331 807	6 5	8 5	Uranium-238	3 77	1 69	1 49	351	1600	pCi/g
PAC 400-801	BW36-008	748619 494	2082065 569	0	0 5	Aluminum	33000	5 4	16902	228000	N/A	mg/kg
	BW36-008	748619 494	2082065 569	0	0 5	Beryllium	1 6	0 11	0 97	921	2 15	mg/kg
	BW36-008	748619 494	2082065 569	0	0 5	Chromium	19	0 17	16 99	268	N/A	mg/kg
	BW36-008	748619 494	2082065 569	0	0 5	Lithium	17	0 54	11 55	20400	N/A	mg/kg
	BW36-008	748619 494	2082065 569	0	0 5	Uranium, Total	9 89	4 69	5 98	2750	67 8	mg/kg
	BW36-008	748619 494	2082065 569	0 5	2 5	Uranium, Total	13	5 82	3 04	2750	67 8	mg/kg
	BW36-008	748619 494	2082065 569	0	0 5	Uranium-234	4 05	1 92	2 25	300	1800	pCi/g
	BW36-008	748619 494	2082065 569	0 5	2 5	Uranium-234	4 38	1 96	2 64	300	1800	pCi/g
	BW36-008	748619 494	2082065 569	0	0 5	Uranium-235	0 19	0 16	0 09	8	1900	pCi/g
	BW36-008	748619 494	2082065 569	0 5	2 5	Uranium-235	0 23	0 15	0 12	8	1900	pCi/g
	BW36-008	748619 494	2082065 569	0	0 5	Uranium-238	4 05	1 92	2	351	1600	pCi/g
	BW36-008	748619 494	2082065 569	0 5	2 5	Uranium-238	4 38	1 96	1 49	351	1600	pCi/g
	BW36-010	748606 279	2082053 828	0	0 5	Uranium, Total	10 16	4 34	5 98	2750	67 8	mg/kg
	BW36-010	748606 279	2082053 828	0 5	2 5	Uranium, Total	11 52	4 1	3 04	2750	67 8	mg/kg
	BW36-010	748606 279	2082053 828	0	0 5	Uranium-234	3 94	1 68	2 25	300	1800	pCi/g
	BW36-010	748606 279	2082053 828	0 5	2 5	Uranium-234	4 38	1 56	2 64	300	1800	pCi/g
	BW36-010	748606 279	2082053 828	0	0 5	Uranium-235	0 23	0 13	0 09	8	1900	pCi/g
	BW36-010	748606 279	2082053 828	0 5	2 5	Uranium-235	0 21	0 13	0 12	8	1900	pCi/g
	BW36-010	748606 279	2082053 828	0	0 5	Uranium-238	3 94	1 68	2	351	1600	pCi/g
	BW36-010	748606 279	2082053 828	0 5	2 5	Uranium-238	4 38	1 56	1 49	351	1600	pCi/g
	BW36-011	748609 268	2082090 361	0	0 5	Uranium, Total	11 55	4 9	5 98	2750	67 8	mg/kg
	BW36-011	748609 268	2082090 361	0 5	2 5	Uranium, Total	14 42	5 05	3 04	2750	67 8	mg/kg
	BW36-011	748609 268	2082090 361	0	0 5	Uranium-234	4 09	1 74	2 25	300	1800	pCi/g
	BW36-011	748609 268	2082090 361	0 5	2 5	Uranium-234	4 86	1 7	2 64	300	1800	pCi/g
	BW36-011	748609 268	2082090 361	0	0 5	Uranium-235	0 2	0 15	0 09	8	1900	pCi/g
	BW36-011	748609 268	2082090 361	0 5	2 5	Uranium-235	0 25	0 15	0 12	8	1900	pCi/g
	BW36-011	748609 268	2082090 361	0	0 5	Uranium-238	4 09	1 74	2	351	1600	pCi/g
	BW36-011	748609 268	2082090 361	0 5	2 5	Uranium-238	4 86	1 7	1 49	351	1600	pCi/g
PAC 400-810	BX35-000	748543 791	2082308 537	0	0 5	Uranium, Total	14 78	6 86	5 98	2750	67 8	mg/kg
	BX35-000	748543 791	2082308 537	0 5	2 5	Uranium, Total	12 5	5 32	3 04	2750	67 8	mg/kg
	BX35-000	748543 791	2082308 537	0	0 5	Uranium-234	4 98	2 31	2 25	300	1800	pCi/g
	BX35-000	748543 791	2082308 537	0 5	2 5	Uranium-234	4 83	2 05	2 64	300	1800	pCi/g

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BX35-000	748543 791	2082308 537	0	0 5	Uranium-235	0 26	0 16	0 09	8	1900	pCi/g
	BX35-000	748543 791	2082308 537	0 5	2 5	Uranium-235	0 25	0 16	0 12	8	1900	pCi/g
	BX35-000	748543 791	2082308 537	0	0 5	Uranium-238	4 98	2 31	2	351	1600	pCi/g
	BX35-000	748543 791	2082308 537	0 5	2 5	Uranium-238	4 83	2 05	1 49	351	1600	pCi/g
	BX36-000	748575 35	2082339 721	0 5	2 5	Barium	390	0 37	289 38	26400	N/A	mg/kg
	BX36-000	748575 35	2082339 721	0	0 5	Beryllium	1 1	0 11	0 97	921	2 15	mg/kg
	BX36-000	748575 35	2082339 721	0	0 5	Copper	21	0 05	18 06	40900	N/A	mg/kg
	BX36-000	748575 35	2082339 721	0	0 5	Strontium	72	0 06	48 94	613000	N/A	mg/kg
	BX36-000	748575 35	2082339 721	0	0 5	Uranium, Total	18 33	5 66	5 98	2750	67 8	mg/kg
	BX36-000	748575 35	2082339 721	0 5	2 5	Uranium, Total	11 64	5 55	3 04	2750	67 8	mg/kg
	BX36-000	748575 35	2082339 721	0	0 5	Uranium-234	6 17	1 91	2 25	300	1800	pCi/g
	BX36-000	748575 35	2082339 721	0 5	2 5	Uranium-234	3 92	1 87	2 64	300	1800	pCi/g
	BX36-000	748575 35	2082339 721	0	0 5	Uranium-235	0 27	0 16	0 09	8	1900	pCi/g
	BX36-000	748575 35	2082339 721	0 5	2 5	Uranium-235	0 26	0 16	0 12	8	1900	pCi/g
	BX36-000	748575 35	2082339 721	0	0 5	Uranium-238	6 17	1 91	2	351	1600	pCi/g
	BX36-000	748575 35	2082339 721	0 5	2 5	Uranium-238	3 92	1 87	1 49	351	1600	pCi/g
	BX36-000	748575 35	2082339 721	0	0 5	Zinc	82	0 5	73 76	307000	N/A	mg/kg
	BY35-000-01	748486 335	2082528 257	0 5	2 5	Cobalt	30	0 2	29 04	1550	N/A	mg/kg
	BY35-000-01	748486 335	2082528 257	0	0 5	Uranium, Total	11 54	4 43	5 98	2750	67 8	mg/kg
	BY35-000-01	748486 335	2082528 257	0 5	2 5	Uranium, Total	8 35	5 17	3 04	2750	67 8	mg/kg
	BY35-000-01	748486 335	2082528 257	0	0 5	Uranium-234	3 89	1 49	2 25	300	1800	pCi/g
	BY35-000-01	748486 335	2082528 257	0 5	2 5	Uranium-234	3 37	2 09	2 64	300	1800	pCi/g
	BY35-000-01	748486 335	2082528 257	0	0 5	Uranium-235	0 19	0 12	0 09	8	1900	pCi/g
	BY35-000-01	748486 335	2082528 257	0 5	2 5	Uranium-235	0 27	0 14	0 12	8	1900	pCi/g
	BY35-000-01	748486 335	2082528 257	0	0 5	Uranium-238	3 89	1 49	2	351	1600	pCi/g
	BY35-000-01	748486 335	2082528 257	0 5	2 5	Uranium-238	3 37	2 09	1 49	351	1600	pCi/g
	BY35-001-01	748504 95	2082364 031	0	0 5	Aluminum	23000	4 8	16902	228000	N/A	mg/kg
	BY35-001-01	748504 95	2082364 031	0	0 5	Barium	150	0 36	141 26	26400	N/A	mg/kg
	BY35-001-01	748504 95	2082364 031	0	0 5	Beryllium	1 7	0 1	0 97	921	2 15	mg/kg
	BY35-001-01	**748504 95**	**2082364 031**	**0 5**	**2 5**	**Beryllium**	**2 5**	**0 1**	**14.2**	**921**	**2 15**	**mg/kg**
	BY35-001-01	748504 95	2082364 031	0	0 5	Copper	36	0 04	18 06	40900	N/A	mg/kg
	BY35-001-01	748504 95	2082364 031	0 5	2 5	Copper	49	0 04	38 21	40900	N/A	mg/kg
	BY35-001-01	748504 95	2082364 031	0	0 5	Lithium	24	0 48	11 55	20400	N/A	mg/kg
	BY35-001-01	748504 95	2082364 031	0	0 5	Manganese	440	0 17	365 08	3480	N/A	mg/kg
	BY35-001-01	748504 95	2082364 031	0	0 5	Uranium, Total	11 08	4 48	5 98	2750	67 8	mg/kg
	BY35-001-01	748504 95	2082364 031	0 5	2 5	Uranium, Total	3 21	0 54	3 04	2750	67 8	mg/kg
	BY35-001-01	748504 95	2082364 031	0	0 5	Uranium-234	3 92	1 59	2 25	300	1800	pCi/g
	BY35-001-01	748504 95	2082364 031	0 5	2 5	Uranium-234	4 68	1 72	2 64	300	1800	pCi/g

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BY35-001-01	748504 95	2082364 031	0	0 5	Uranium-235	0 19	0 1	0 09	8	1900	pCi/g
	BY35-001-01	748504 95	2082364 031	0 5	2 5	Uranium-235	0 25	0 16	0 12	8	1900	pCi/g
	BY35-001-01	748504 95	2082364 031	0	0 5	Uranium-238	3 92	1 59	2	351	1600	pCi/g
	BY35-001-01	748504 95	2082364 031	0 5	2 5	Uranium-238	4 68	1 72	1 49	351	1600	pCi/g
	BY35-001-01	748504 95	2082364 031	0	0 5	Zinc	360	0 44	73 76	307000	N/A	mg/kg
	BY35-001-01	748504 95	2082364 031	0 5	2 5	Zinc	160	0 43	139 1	307000	N/A	mg/kg
	BY35-002-01	748504 734	2082398 139	0	0 5	Aluminum	22000	4 7	16902	228000	N/A	mg/kg
	BY35-002-01	748504 734	2082398 139	0	0 5	Beryllium	1 5	0 1	0 97	921	2 15	mg/kg
	BY35-002-01	748504 734	2082398 139	0	0 5	Chromium	28	0 15	16 99	268	N/A	mg/kg
	BY35-002-01	748504 734	2082398 139	0	0 5	Copper	70	0 04	18 06	40900	N/A	mg/kg
	BY35-002-01	748504 734	2082398 139	0	0 5	Iron	23000	1 4	18037	307000	N/A	mg/kg
	BY35-002-01	748504 734	2082398 139	0	0 5	Lithium	25	0 47	11 55	20400	N/A	mg/kg
	BY35-002-01	748504 734	2082398 139	0	0 5	Manganese	380	0 17	365 08	3480	N/A	mg/kg
	BY35-002-01	748504 734	2082398 139	0	0 5	Nickel	23	0 19	14 91	20400	N/A	mg/kg
	BY35-002-01	748504 734	2082398 139	0	0 5	Uranium, Total	10 57	5 05	5 98	2750	67 8	mg/kg
	BY35-002-01	748504 734	2082398 139	0 5	2 5	Uranium, Total	12 51	5 1	3 04	2750	67 8	mg/kg
	BY35-002-01	748504 734	2082398 139	0	0 5	Uranium-234	3 56	1 7	2 25	300	1800	pCi/g
	BY35-002-01	748504 734	2082398 139	0 5	2 5	Uranium-234	4 21	1 72	2 64	300	1800	pCi/g
	BY35-002-01	748504 734	2082398 139	0	0 5	Uranium-235	0 18	0 12	0 09	8	1900	pCi/g
	BY35-002-01	748504 734	2082398 139	0 5	2 5	Uranium-235	0 18	0 13	0 12	8	1900	pCi/g
	BY35-002-01	748504 734	2082398 139	0	0 5	Uranium-238	3 56	1 7	2	351	1600	pCi/g
	BY35-002-01	748504 734	2082398 139	0 5	2 5	Uranium-238	4 21	1 72	1 49	351	1600	pCi/g
	BY35-002-01	748504 734	2082398 139	0	0 5	Zinc	230	0 44	73 76	307000	N/A	mg/kg
	BY35-003-01	748472 199	2082432 237	0 5	2 5	Aluminum	50000	5 1	35373 17	228000	N/A	mg/kg
	BY35-003-01	748472 199	2082432 237	0 5	2 5	Arsenic	19	0 85	13 14	22 2	21 6	mg/kg
	BY35-003-01	**748472 199**	**2082432 237**	**0 5**	**2 5**	**Beryllium**	**3 3**	**0 11**	**14.2**	**921**	**2 15**	**mg/kg**
	BY35-003-01	748472 199	2082432 237	0	0 5	Uranium, Total	13 05	4 62	5 98	2750	67 8	mg/kg
	BY35-003-01	748472 199	2082432 237	0 5	2 5	Uranium, Total	11 08	4 43	3 04	2750	67 8	mg/kg
	BY35-003-01	748472 199	2082432 237	0	0 5	Uranium-234	4 39	1 55	2 25	300	1800	pCi/g
	BY35-003-01	748472 199	2082432 237	0 5	2 5	Uranium-234	4 49	1 79	2 64	300	1800	pCi/g
	BY35-003-01	748472 199	2082432 237	0	0 5	Uranium-235	0 24	0 11	0 09	8	1900	pCi/g
	BY35-003-01	748472 199	2082432 237	0 5	2 5	Uranium-235	0 24	0 14	0 12	8	1900	pCi/g
	BY35-003-01	748472 199	2082432 237	0	0 5	Uranium-238	4 39	1 55	2	351	1600	pCi/g
	BY35-003-01	748472 199	2082432 237	0 5	2 5	Uranium-238	4 49	1 79	1 49	351	1600	pCi/g
	BY35-003-01	748472 199	2082432 237	0 5	2 5	Vanadium	110	0 49	88 49	7150	433	mg/kg
	BY35-004	748471 492	2082467 47	0 5	2 5	Aluminum	66000	5 2	35373 17	228000	N/A	mg/kg
	BY35-004	**748471 492**	**2082467 47**	**0 5**	**2.5**	**Beryllium**	**2 3**	**0 11**	**14.2**	**921**	**2 15**	**mg/kg**
	BY35-004	748471 492	2082467 47	0 5	2 5	Cobalt	35	0 2	29 04	1550	N/A	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BY35-004	748471 492	2082467 47	0 5	2 5	Nickel	91	0 21	62 21	20400	N/A	mg/kg
	BY35-004	748471 492	2082467 47	0	0 5	Uranium, Total	12 55	4 06	5 98	2750	67 8	mg/kg
	BY35-004	748471 492	2082467 47	0 5	2 5	Uranium, Total	10 28	4 19	3 04	2750	67 8	mg/kg
	BY35-004	748471 492	2082467 47	0	0 5	Uranium-234	4 23	1 37	2 25	300	1800	pCi/g
	BY35-004	748471 492	2082467 47	0 5	2 5	Uranium-234	3 93	1 6	2 64	300	1800	pCi/g
	BY35-004	748471 492	2082467 47	0	0 5	Uranium-235	0 25	0 11	0 09	8	1900	pCi/g
	BY35-004	748471 492	2082467 47	0 5	2 5	Uranium-235	0 19	0 13	0 12	8	1900	pCi/g
	BY35-004	748471 492	2082467 47	0	0 5	Uranium-238	4 23	1 37	2	351	1600	pCi/g
	BY35-004	748471 492	2082467 47	0 5	2 5	Uranium-238	3 93	1 6	1 49	351	1600	pCi/g
	BY35-005	748470 718	2082344 458	0 5	2 5	Aluminum	51000	5 5	35373 17	228000	N/A	mg/kg
	BY35-005	748470 718	2082344 458	0 5	2 5	Arsenic	15	0 91	13 14	22 2	21 6	mg/kg
	BY35-005	**748470 718**	**2082344 458**	**0 5**	**2 5**	**Beryllium**	**2 4**	**0 11**	**14 2**	**921**	**2 15**	**mg/kg**
	BY35-005	748470 718	2082344 458	0	0 5	Uranium, Total	8 17	4 78	5 98	2750	67 8	mg/kg
	BY35-005	748470 718	2082344 458	0 5	2 5	Uranium, Total	9 03	4 28	3 04	2750	67 8	mg/kg
	BY35-005	748470 718	2082344 458	0	0 5	Uranium-234	2 98	1 75	2 25	300	1800	pCi/g
	BY35-005	748470 718	2082344 458	0 5	2 5	Uranium-234	3 46	1 64	2 64	300	1800	pCi/g
	BY35-005	748470 718	2082344 458	0	0 5	Uranium-235	0 16	0 13	0 09	8	1900	pCi/g
	BY35-005	748470 718	2082344 458	0 5	2 5	Uranium-235	0 23	0 14	0 12	8	1900	pCi/g
	BY35-005	748470 718	2082344 458	0	0 5	Uranium-238	2 98	1 75	2	351	1600	pCi/g
	BY35-005	748470 718	2082344 458	0 5	2 5	Uranium-238	3 46	1 64	1 49	351	1600	pCi/g
	BY36-001	748596 481	2082369 769	0	0 5	Arsenic	13	0 81	10 09	22 2	21 6	mg/kg
	BY36-001	748596 481	2082369 769	0 5	2 5	Arsenic	16	0 78	13 14	22 2	21 6	mg/kg
	BY36-001	748596 481	2082369 769	0	0 5	Cadmium	2 1	0 07	1 61	962	N/A	mg/kg
	BY36-001	748596 481	2082369 769	0	0 5	Copper	55	0 05	18 06	40900	N/A	mg/kg
	BY36-001	748596 481	2082369 769	0 5	2 5	Copper	55	0 04	38 21	40900	N/A	mg/kg
	BY36-001	748596 481	2082369 769	0	0 5	Iron	20000	1 4	18037	307000	N/A	mg/kg
	BY36-001	748596 481	2082369 769	0	0 5	Manganese	500	0 17	365 08	3480	N/A	mg/kg
	BY36-001	748596 481	2082369 769	0	0 5	Uranium, Total	11 59	5 62	5 98	2750	67 8	mg/kg
	BY36-001	748596 481	2082369 769	0 5	2 5	Uranium, Total	12 09	4 72	3 04	2750	67 8	mg/kg
	BY36-001	748596 481	2082369 769	0	0 5	Uranium-234	3 9	1 89	2 25	300	1800	pCi/g
	BY36-001	748596 481	2082369 769	0 5	2 5	Uranium-234	4 33	1 69	2 64	300	1800	pCi/g
	BY36-001	748596 481	2082369 769	0	0 5	Uranium-235	0 21	0 12	0 09	8	1900	pCi/g
	BY36-001	748596 481	2082369 769	0 5	2 5	Uranium-235	0 25	0 12	0 12	8	1900	pCi/g
	BY36-001	748596 481	2082369 769	0	0 5	Uranium-238	3 9	1 89	2	351	1600	pCi/g
	BY36-001	748596 481	2082369 769	0 5	2 5	Uranium-238	4 33	1 69	1 49	351	1600	pCi/g
	BY36-001	748596 481	2082369 769	0	0 5	Zinc	680	0 45	73 76	307000	N/A	mg/kg
	BY36-001	748596 481	2082369 769	0 5	2 5	Zinc	500	0 43	139 1	307000	N/A	mg/kg
	BY36-002	748580 049	2082400 965	0 5	2 5	Aluminum	37000	4 8	35373 17	228000	N/A	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BY36-002	748580 049	2082400 965	0	0 5	Copper	33	0 05	18 06	40900	N/A	mg/kg
	BY36-002	748580 049	2082400 965	0	0 5	Toluene	2	5 45	N/A	31300000	128000	ug/kg
	BY36-002	748580 049	2082400 965	0 5	2 5	Toluene	2 1	6 08	N/A	31300000	128000	ug/kg
	BY36-002	748580 049	2082400 965	0	0 5	Xylene	2 8	10 9	N/A	2040000	N/A	ug/kg
	BY36-002	748580 049	2082400 965	0	0 5	Zinc	100	0 45	73 76	307000	N/A	mg/kg
	BZ35-000	748553 213	2082630 303	0	0 5	Acetone	14	96 2	N/A	102000000	211000	ug/kg
	BZ35-000	748553 213	2082630 303	0 5	2 5	Acetone	34	115	N/A	102000000	211000	ug/kg
	BZ35-000	748553 213	2082630 303	0	0 5	Cobalt	12	0 2	10 91	1550	N/A	mg/kg
	BZ35-000	748553 213	2082630 303	0	0 5	Copper	41	0 05	18 06	40900	N/A	mg/kg
	BZ35-000	748553 213	2082630 303	0	0 5	Iron	32000	1 5	18037	307000	N/A	mg/kg
	BZ35-000	748553 213	2082630 303	0	0 5	Lithium	14	0 52	11 55	20400	N/A	mg/kg
	BZ35-000	748553 213	2082630 303	0	0 5	Manganese	730	0 18	365 08	3480	N/A	mg/kg
	BZ35-000	748553 213	2082630 303	0	0 5	Uranium, Total	10 81	4 81	5 98	2750	67 8	mg/kg
	BZ35-000	748553 213	2082630 303	0 5	2 5	Uranium, Total	12 89	3 89	3 04	2750	67 8	mg/kg
	BZ35-000	748553 213	2082630 303	0	0 5	Uranium-234	3 82	1 7	2 25	300	1800	pCi/g
	BZ35-000	748553 213	2082630 303	0 5	2 5	Uranium-234	5 11	1 54	2 64	300	1800	pCi/g
	BZ35-000	748553 213	2082630 303	0	0 5	Uranium-235	0 2	0 12	0 09	8	1900	pCi/g
	BZ35-000	748553 213	2082630 303	0 5	2 5	Uranium-235	0 26	0 25	0 12	8	1900	pCi/g
	BZ35-000	748553 213	2082630 303	0	0 5	Uranium-238	3 82	1 7	2	351	1600	pCi/g
	BZ35-000	748553 213	2082630 303	0 5	2 5	Uranium-238	5 11	1 54	1 49	351	1600	pCi/g
	BZ35-000	748553 213	2082630 303	0	0 5	Vanadium	54	0 49	45 59	7150	433	mg/kg
	BZ35-000	748553 213	2082630 303	0	0 5	Zinc	93	0 48	73 76	307000	N/A	mg/kg
	BZ35-001-01	748516 835	2082648 969	0	0 5	Aluminum	27000	5 7	16902	228000	N/A	mg/kg
	BZ35-001-01	748516 835	2082648 969	0 5	2 5	Aluminum	51000	6 1	35373 17	228000	N/A	mg/kg
	BZ35-001-01	748516 835	2082648 969	0	0 5	Beryllium	1 2	0 12	0 97	921	2 15	mg/kg
	BZ35-001-01	748516 835	2082648 969	0	0 5	Chromium	20	0 18	16 99	268	N/A	mg/kg
	BZ35-001-01	748516 835	2082648 969	0	0 5	Lithium	12	0 57	11 55	20400	N/A	mg/kg
	BZ35-001-01	748516 835	2082648 969	0	0 5	Naphthalene	3 4	5 39	N/A	3090000	N/A	ug/kg
	BZ35-001-01	748516 835	2082648 969	0 5	2 5	Naphthalene	1 1	5 9	N/A	3090000	N/A	ug/kg
	BZ35-001-01	748516 835	2082648 969	0	0 5	Nickel	18	0 23	14 91	20400	N/A	mg/kg
	BZ35-001-01	748516 835	2082648 969	0	0 5	Uranium, Total	12 27	4 78	5 98	2750	67 8	mg/kg
	BZ35-001-01	748516 835	2082648 969	0 5	2 5	Uranium, Total	10 31	4 31	3 04	2750	67 8	mg/kg
	BZ35-001-01	748516 835	2082648 969	0	0 5	Uranium-234	4 7	1 83	2 25	300	1800	pCi/g
	BZ35-001-01	748516 835	2082648 969	0 5	2 5	Uranium-234	4 13	1 73	2 64	300	1800	pCi/g
	BZ35-001-01	748516 835	2082648 969	0	0 5	Uranium-235	0 26	0 16	0 09	8	1900	pCi/g
	BZ35-001-01	748516 835	2082648 969	0	0 5	Uranium-238	4 7	1 83	2	351	1600	pCi/g
	BZ35-001-01	748516 835	2082648 969	0 5	2 5	Uranium-238	4 13	1 73	1 49	351	1600	pCi/g
	BZ35-002-01	748481 64	2082620 428	0 5	2 5	Arsenic	17	0 85	13 14	22 2	21 6	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BZ35-002-01	748481 64	2082620 428	0	0 5	Chromium	22	0 16	16 99	268	N/A	mg/kg
	BZ35-002-01	748481 64	2082620 428	0	0 5	Copper	19	0 05	18 06	40900	N/A	mg/kg
	BZ35-002-01	**748481 64**	**2082620 428**	**0.5**	**2.5**	**Lead**	**35**	**0.28**	**24 97**	**1000**	**25 6**	**mg/kg**
	BZ35-002-01	748481 64	2082620 428	0	0 5	Naphthalene	1 8	5 27	N/A	3090000	N/A	ug/kg
	BZ35-002-01	748481 64	2082620 428	0	0 5	Toluene	2	5 27	N/A	31300000	128000	ug/kg
	BZ35-002-01	748481 64	2082620 428	0	0 5	Uranium, Total	9 59	4 48	5 98	2750	67 8	mg/kg
	BZ35-002-01	748481 64	2082620 428	0 5	2 5	Uranium, Total	10 37	3 47	3 04	2750	67 8	mg/kg
	BZ35-002-01	748481 64	2082620 428	0	0 5	Uranium-234	3 46	1 62	2 25	300	1800	pCi/g
	BZ35-002-01	748481 64	2082620 428	0 5	2 5	Uranium-234	4 16	1 39	2 64	300	1800	pCi/g
	BZ35-002-01	748481 64	2082620 428	0	0 5	Uranium-235	0 2	0 11	0 09	8	1900	pCi/g
	BZ35-002-01	748481 64	2082620 428	0 5	2 5	Uranium-235	0 15	0 13	0 12	8	1900	pCi/g
	BZ35-002-01	748481 64	2082620 428	0	0 5	Uranium-238	3 46	1 62	2	351	1600	pCi/g
	BZ35-002-01	748481 64	2082620 428	0 5	2 5	Uranium-238	4 16	1 39	1 49	351	1600	pCi/g
	BZ35-002-01	748481 64	2082620 428	0	0 5	Zinc	75	0 47	73 76	307000	N/A	mg/kg
	BZ35-003-01	748468 932	2082560 876	0	0 5	Aluminum	28000	5 3	16902	228000	N/A	mg/kg
	BZ35-003-01	748468 932	2082560 876	0	0 5	Beryllium	1 1	0 11	0 97	921	2 15	mg/kg
	BZ35-003-01	748468 932	2082560 876	0	0 5	Chromium	20	0 17	16 99	268	N/A	mg/kg
	BZ35-003-01	748468 932	2082560 876	0	0 5	Ethylbenzene	1 4	5 33	N/A	4250000	N/A	ug/kg
	BZ35-003-01	748468 932	2082560 876	0 5	2 5	Ethylbenzene	2 1	5 45	N/A	4250000	N/A	ug/kg
	BZ35-003-01	748468 932	2082560 876	0	0 5	Lithium	15	0 53	11 55	20400	N/A	mg/kg
	BZ35-003-01	748468 932	2082560 876	0 5	2 5	Naphthalene	0 9	5 45	N/A	3090000	N/A	ug/kg
	BZ35-003-01	748468 932	2082560 876	0	0 5	Nickel	18	0 21	14 91	20400	N/A	mg/kg
	BZ35-003-01	748468 932	2082560 876	0	0 5	Uranium, Total	10 75	4 25	5 98	2750	67 8	mg/kg
	BZ35-003-01	748468 932	2082560 876	0 5	2 5	Uranium, Total	15 27	4 25	3 04	2750	67 8	mg/kg
	BZ35-003-01	748468 932	2082560 876	0	0 5	Uranium-234	3 99	1 58	2 25	300	1800	pCi/g
	BZ35-003-01	748468 932	2082560 876	0 5	2 5	Uranium-234	5 82	1 62	2 64	300	1800	pCi/g
	BZ35-003-01	748468 932	2082560 876	0	0 5	Uranium-235	0 22	0 13	0 09	8	1900	pCi/g
	BZ35-003-01	748468 932	2082560 876	0 5	2 5	Uranium-235	0 15	0 13	0 12	8	1900	pCi/g
	BZ35-003-01	748468 932	2082560 876	0	0 5	Uranium-238	3 99	1 58	2	351	1600	pCi/g
	BZ35-003-01	748468 932	2082560 876	0 5	2 5	Uranium-238	5 82	1 62	1 49	351	1600	pCi/g
	BZ35-011-01	748525 644	2082590 968	0 5	2 5	Cadmium	10	0 06	1 7	962	N/A	mg/kg
	BZ35-011-01	748525 644	2082590 968	0	0 5	Naphthalene	2	5 43	N/A	3090000	N/A	ug/kg
	BZ35-011-01	748525 644	2082590 968	0 5	2 5	Uranium, Total	11 02	4 16	3 04	2750	67 8	mg/kg
	BZ35-011-01	748525 644	2082590 968	0 5	2 5	Uranium-234	4 63	1 75	2 64	300	1800	pCi/g
	BZ35-011-01	748525 644	2082590 968	0 5	2 5	Uranium-235	0 2	0 13	0 12	8	1900	pCi/g
	BZ35-011-01	748525 644	2082590 968	0 5	2 5	Uranium-238	4 63	1 75	1 49	351	1600	pCi/g
	BZ35-011-01	748525 644	2082590 968	0	0 5	Zinc	84	0 42	73 76	307000	N/A	mg/kg
UBC 444	BW37-000	748789 27	2082086 53	0 5	2 5	Styrene	5 2	5 34	N/A	123000000	N/A	ug/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BW37-000	748789 27	2082086 53	0	0 5	Toluene	1 9	5 51	N/A	31300000	128000	ug/kg
	BW37-000	748789 27	2082086 53	0	0 5	Uranium, Total	11 67	5 05	5 98	2750	67 8	mg/kg
	BW37-000	748789 27	2082086 53	0 5	2 5	Uranium, Total	12 19	6 01	3 04	2750	67 8	mg/kg
	BW37-000	748789 27	2082086 53	0	0 5	Uranium-234	4 08	1 76	2 25	300	1800	pCi/g
	BW37-000	748789 27	2082086 53	0 5	2 5	Uranium-234	4 1	2 03	2 64	300	1800	pCi/g
	BW37-000	748789 27	2082086 53	0	0 5	Uranium-235	0 26	0 13	0 09	8	1900	pCi/g
	BW37-000	748789 27	2082086 53	0	0 5	Uranium-238	4 08	1 76	2	351	1600	pCi/g
	BW37-000	748789 27	2082086 53	0 5	2 5	Uranium-238	4 1	2 03	1 49	351	1600	pCi/g
	BW37-001	748848 513	2082126 365	0	0 5	Acetone	26	101	N/A	102000000	211000	ug/kg
	BW37-001	748848 513	2082126 365	0 5	2 5	Acetone	20	102	N/A	102000000	211000	ug/kg
	BW37-001	748848 513	2082126 365	0	0 5	Chromium	20	0 15	16 99	268	N/A	mg/kg
	BW37-001	748848 513	2082126 365	0	0 5	Iron	23000	1 4	18037	307000	N/A	mg/kg
	BW37-001	748848 513	2082126 365	0	0 5	Naphthalene	2 5	5 04	N/A	3090000	N/A	ug/kg
	BW37-001	748848 513	2082126 365	0 5	2 5	Naphthalene	2 5	5 08	N/A	3090000	N/A	ug/kg
	BW37-001	748848 513	2082126 365	0	0 5	Toluene	1 6	5 04	N/A	31300000	128000	ug/kg
	BW37-001	748848 513	2082126 365	0 5	2 5	Toluene	1 3	5 08	N/A	31300000	128000	ug/kg
	BW37-001	748848 513	2082126 365	0	0 5	Uranium, Total	11 58	4 07	5 98	2750	67 8	mg/kg
	BW37-001	748848 513	2082126 365	0 5	2 5	Uranium, Total	9 65	5 88	3 04	2750	67 8	mg/kg
	BW37-001	748848 513	2082126 365	0	0 5	Uranium-234	4 1	1 44	2 25	300	1800	pCi/g
	BW37-001	748848 513	2082126 365	0 5	2 5	Uranium-234	3 47	2 11	2 64	300	1800	pCi/g
	BW37-001	748848 513	2082126 365	0	0 5	Uranium-238	4 1	1 44	2	351	1600	pCi/g
	BW37-001	748848 513	2082126 365	0 5	2 5	Uranium-238	3 47	2 11	1 49	351	1600	pCi/g
	BW37-002	748870 064	2082095 287	0	0 5	Barium	160	0 37	141 26	26400	N/A	mg/kg
	BW37-002	748870 064	2082095 287	0	0 5	Iron	26000	1 4	18037	307000	N/A	mg/kg
	BW37-002	748870 064	2082095 287	0	0 5	Uranium, Total	9 18	5 29	5 98	2750	67 8	mg/kg
	BW37-002	748870 064	2082095 287	0	0 5	Uranium-234	3 31	1 9	2 25	300	1800	pCi/g
	BW37-002	748870 064	2082095 287	0	0 5	Uranium-238	3 31	1 9	2	351	1600	pCi/g
	BX35-003	748507 05	2082330 43	0	0 5	Aluminum	17000	4 9	16902	228000	N/A	mg/kg
	BX35-003	748507 05	2082330 43	0	0 5	Cobalt	12	0 18	10 91	1550	N/A	mg/kg
	BX35-003	748507 05	2082330 43	0	0 5	Copper	25	0 05	18 06	40900	N/A	mg/kg
	BX35-003	748507 05	2082330 43	0	0 5	Lithium	13	0 49	11 55	20400	N/A	mg/kg
	BX35-003	748507 05	2082330 43	0	0 5	Nickel	18	0 2	14 91	20400	N/A	mg/kg
	BX35-003	748507 05	2082330 43	0	0 5	Selenium	1 3	0 8	1 22	5110	N/A	mg/kg
	BX35-003	748507 05	2082330 43	0	0 5	Strontium	60	0 06	48 94	613000	N/A	mg/kg
	BX35-003	748507 05	2082330 43	0	0 5	Uranium, Total	11 69	4 09	5 98	2750	67 8	mg/kg
	BX35-003	748507 05	2082330 43	0 5	2 5	Uranium, Total	10 69	4 78	3 04	2750	67 8	mg/kg
	BX35-003	748507 05	2082330 43	0	0 5	Uranium-234	3 94	1 38	2 25	300	1800	pCi/g
	BX35-003	748507 05	2082330 43	0 5	2 5	Uranium-234	3 6	1 61	2 64	300	1800	pCi/g

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BX35-003	748507 05	2082330 43	0	0 5	Uranium-235	0 22	0 12	0 09	8	1900	pCi/g
	BX35-003	748507 05	2082330 43	0 5	2 5	Uranium-235	0 16	0 11	0 12	8	1900	pCi/g
	BX35-003	748507 05	2082330 43	0	0 5	Uranium-238	3 94	1 38	2	351	1600	pCi/g
	BX35-003	748507 05	2082330 43	0 5	2 5	Uranium-238	3 6	1 61	1 49	351	1600	pCi/g
	BX36-011	748667 6	2082300 28	0	0 5	Acetone	12	102	N/A	102000000	211000	ug/kg
	BX36-011	748667 6	2082300 28	0	0 5	Lithium	12	0 51	11 55	20400	N/A	mg/kg
	BX36-011	748667 6	2082300 28	0	0 5	Uranium, Total	13 15	6 13	5 98	2750	67 8	mg/kg
	BX36-011	748667 6	2082300 28	0 5	2 5	Uranium, Total	10 41	6 16	3 04	2750	67 8	mg/kg
	BX36-011	748667 6	2082300 28	0	0 5	Uranium-234	4 43	2 06	2 25	300	1800	pCi/g
	BX36-011	748667 6	2082300 28	0 5	2 5	Uranium-234	3 5	2 08	2 64	300	1800	pCi/g
	BX36-011	748667 6	2082300 28	0	0 5	Uranium-235	0 25	0 14	0 09	8	1900	pCi/g
	BX36-011	748667 6	2082300 28	0 5	2 5	Uranium-235	0 19	0 15	0 12	8	1900	pCi/g
	BX36-011	748667 6	2082300 28	0	0 5	Uranium-238	4 43	2 06	2	351	1600	pCi/g
	BX36-011	748667 6	2082300 28	0 5	2 5	Uranium-238	3 5	2 08	1 49	351	1600	pCi/g
	BX36-012	748648 528	2082230 616	0	0 5	Antimony	0 5	0 28	0 47	409	N/A	mg/kg
	BX36-012	748648 528	2082230 616	0	0 5	Cobalt	11	0 18	10 91	1550	N/A	mg/kg
	BX36-012	748648 528	2082230 616	0	0 5	Copper	33	0 05	18 06	40900	N/A	mg/kg
	BX36-012	748648 528	2082230 616	0	0 5	Methylene chloride	1 2	0 87	N/A	2530000	39500	ug/kg
	BX36-012	748648 528	2082230 616	0 5	2 5	Methylene chloride	1 1	0 84	N/A	2530000	39500	ug/kg
	BX36-012	748648 528	2082230 616	0 5	2 5	Naphthalene	3 5	0 91	N/A	3090000	N/A	ug/kg
	BX36-012	748648 528	2082230 616	0	0 5	Uranium, Total	35 97	5 49	5 98	2750	67 8	mg/kg
	BX36-012	748648 528	2082230 616	0 5	2 5	Uranium, Total	32 08	0 46	3 04	2750	67 8	mg/kg
	BX36-012	748648 528	2082230 616	0	0 5	Uranium-234	3 51	0 23	2 25	300	1800	pCi/g
	BX36-012	748648 528	2082230 616	0 5	2 5	Uranium-234	8 87	1 77	2 64	300	1800	pCi/g
	BX36-012	748648 528	2082230 616	0	0 5	Uranium-235	0 27	0 17	0 09	8	1900	pCi/g
	BX36-012	748648 528	2082230 616	0 5	2 5	Uranium-235	0 42	0 17	0 12	8	1900	pCi/g
	BX36-012	748648 528	2082230 616	0	0 5	Uranium-238	6 6	0 13	2	351	1600	pCi/g
	BX36-012	748648 528	2082230 616	0 5	2 5	Uranium-238	10 8	0 15	1 49	351	1600	pCi/g
	BX36-013	748737 196	2082318 308	0 5	2 5	Acetone	16	102	N/A	102000000	211000	ug/kg
	BX36-013	748737 196	2082318 308	0	0 5	Aluminum	18000	5	16902	228000	N/A	mg/kg
	BX36-013	748737 196	2082318 308	0	0 5	Antimony	0 57	0 29	0 47	409	N/A	mg/kg
	BX36-013	748737 196	2082318 308	0	0 5	Uranium, Total	11 87	4 74	5 98	2750	67 8	mg/kg
	BX36-013	748737 196	2082318 308	0 5	2 5	Uranium, Total	12 77	4 34	3 04	2750	67 8	mg/kg
	BX36-013	748737 196	2082318 308	0	0 5	Uranium-234	4	1 6	2 25	300	1800	pCi/g
	BX36-013	748737 196	2082318 308	0 5	2 5	Uranium-234	4 57	1 55	2 64	300	1800	pCi/g
	BX36-013	748737 196	2082318 308	0	0 5	Uranium-235	0 15	0 15	0 09	8	1900	pCi/g
	BX36-013	748737 196	2082318 308	0 5	2 5	Uranium-235	0 21	0 13	0 12	8	1900	pCi/g
	BX36-013	748737 196	2082318 308	0	0 5	Uranium-238	4	1 6	2	351	1600	pCi/g

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BX36-013	748737 196	2082318 308	0 5	2 5	Uranium-238	4 57	1 55	1 49	351	1600	pCi/g
	BX36-014	748718 177	2082248 865	0	0 5	Cobalt	29	0 18	10 91	1550	N/A	mg/kg
	BX36-014	748718 177	2082248 865	0	0 5	Copper	78	0 04	18 06	40900	N/A	mg/kg
	BX36-014	748718 177	2082248 865	0	0 5	Strontium	49	0 06	48 94	613000	N/A	mg/kg
	BX36-014	748718 177	2082248 865	0	0 5	Tin	8 6	0 82	2 9	613000	N/A	mg/kg
	BX36-014	748718 177	2082248 865	0	0 5	Uranium, Total	10 16	4 43	5 98	2750	67 8	mg/kg
	BX36-014	748718 177	2082248 865	0 5	2 5	Uranium, Total	10 05	6 91	3 04	2750	67 8	mg/kg
	BX36-014	748718 177	2082248 865	0	0 5	Uranium-234	3 6	1 57	2 25	300	1800	pCi/g
	BX36-014	748718 177	2082248 865	0 5	2 5	Uranium-234	3 38	2 33	2 64	300	1800	pCi/g
	BX36-014	748718 177	2082248 865	0	0 5	Uranium-235	0 16	0 11	0 09	8	1900	pCi/g
	BX36-014	748718 177	2082248 865	0 5	2 5	Uranium-235	0 14	0 12	0 12	8	1900	pCi/g
	BX36-014	748718 177	2082248 865	0	0 5	Uranium-238	3 6	1 57	2	351	1600	pCi/g
	BX36-014	748718 177	2082248 865	0 5	2 5	Uranium-238	3 38	2 33	1 49	351	1600	pCi/g
	BX37-001	748787 576	2082147 758	0	0 5	Aluminum	19000	4 9	16902	228000	N/A	mg/kg
	BX37-001	748787 576	2082147 758	0	0 5	Chromium	20	0 15	16 99	268	N/A	mg/kg
	BX37-001	748787 576	2082147 758	0	0 5	Naphthalene	8 79	5 32	N/A	3090000	N/A	ug/kg
	BX37-001	748787 576	2082147 758	0 5	2 5	Naphthalene	4 5	5 67	N/A	3090000	N/A	ug/kg
	BX37-001	748787 576	2082147 758	0	0 5	Nickel	18	0 2	14 91	20400	N/A	mg/kg
	BX37-001	748787 576	2082147 758	0	0 5	Selenium	1 6	0 8	1 22	5110	N/A	mg/kg
	BX37-001	748787 576	2082147 758	0	0 5	Uranium, Total	10 66	4 96	5 98	2750	67 8	mg/kg
	BX37-001	748787 576	2082147 758	0 5	2 5	Uranium, Total	14 88	5 16	3 04	2750	67 8	mg/kg
	BX37-001	748787 576	2082147 758	0	0 5	Uranium-234	3 84	1 79	2 25	300	1800	pCi/g
	BX37-001	748787 576	2082147 758	0 5	2 5	Uranium-234	5 01	1 74	2 64	300	1800	pCi/g
	BX37-001	748787 576	2082147 758	0	0 5	Uranium-235	0 19	0 13	0 09	8	1900	pCi/g
	BX37-001	748787 576	2082147 758	0 5	2 5	Uranium-235	0 23	0 13	0 12	8	1900	pCi/g
	BX37-001	748787 576	2082147 758	0	0 5	Uranium-238	3 84	1 79	2	351	1600	pCi/g
	BX37-001	748787 576	2082147 758	0 5	2 5	Uranium-238	5 01	1 74	1 49	351	1600	pCi/g
	BX37-002	748853 05	2082205 96	0 5	2 5	Acetone	14	101	N/A	102000000	211000	ug/kg
	BX37-002	748853 05	2082205 96	0	0 5	Aluminum	21000	4 8	16902	228000	N/A	mg/kg
	BX37-002	748853 05	2082205 96	0	0 5	Methylene chloride	1 2	0 87	N/A	2530000	39500	ug/kg
	BX37-002	748853 05	2082205 96	0 5	2 5	Methylene chloride	1	0 85	N/A	2530000	39500	ug/kg
	BX37-002	748853 05	2082205 96	0 5	2 5	Naphthalene	1 3	5 05	N/A	3090000	N/A	ug/kg
	BX37-002	748853 05	2082205 96	0	0 5	Nickel	17	0 19	14 91	20400	N/A	mg/kg
	BX37-002	748853 05	2082205 96	0	0 5	Uranium, Total	13 01	4 67	5 98	2750	67 8	mg/kg
	BX37-002	748853 05	2082205 96	0 5	2 5	Uranium, Total	10 16	4 46	3 04	2750	67 8	mg/kg
	BX37-002	748853 05	2082205 96	0	0 5	Uranium-234	4 38	1 57	2 25	300	1800	pCi/g
	BX37-002	748853 05	2082205 96	0 5	2 5	Uranium-234	3 64	1 6	2 64	300	1800	pCi/g
	BX37-002	748853 05	2082205 96	0 5	2 5	Uranium-235	0 16	0 12	0 12	8	1900	pCi/g

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BX37-002	748853 05	2082205 96	0	0 5	Uranium-238	4 38	1 57	2	351	1600	pCi/g
	BX37-002	748853 05	2082205 96	0 5	2 5	Uranium-238	3 64	1 6	1 49	351	1600	pCi/g
	BX37-003	748779 797	2082246 293	0	0 5	Acetone	16	104	N/A	102000000	211000	ug/kg
	BX37-003	748779 797	2082246 293	0 5	2 5	Acetone	12	101	N/A	102000000	211000	ug/kg
	BX37-003	748779 797	2082246 293	0	0 5	Aluminum	18000	4 9	16902	228000	N/A	mg/kg
	BX37-003	748779 797	2082246 293	0	0 5	Copper	24	0 05	18 06	40900	N/A	mg/kg
	BX37-003	748779 797	2082246 293	0 5	2 5	Copper	52	0 05	38 21	40900	N/A	mg/kg
	BX37-003	748779 797	2082246 293	0	0 5	Lithium	13	0 49	11 55	20400	N/A	mg/kg
	BX37-003	748779 797	2082246 293	0	0 5	Naphthalene	0 85	5 22	N/A	3090000	N/A	ug/kg
	BX37-003	748779 797	2082246 293	0	0 5	Nickel	16	0 2	14 91	20400	N/A	mg/kg
	BX37-003	748779 797	2082246 293	0	0 5	Selenium	1 4	0 81	1 22	5110	N/A	mg/kg
	BX37-003	748779 797	2082246 293	0	0 5	Uranium, Total	10 66	4 75	5 98	2750	67 8	mg/kg
	BX37-003	748779 797	2082246 293	0 5	2 5	Uranium, Total	3 2	1 5	3 04	2750	67 8	mg/kg
	BX37-003	748779 797	2082246 293	0	0 5	Uranium-234	3 92	1 75	2 25	300	1800	pCi/g
	BX37-003	748779 797	2082246 293	0 5	2 5	Uranium-234	4 45	1 55	2 64	300	1800	pCi/g
	BX37-003	748779 797	2082246 293	0	0 5	Uranium-235	0 21	0 12	0 09	8	1900	pCi/g
	BX37-003	748779 797	2082246 293	0	0 5	Uranium-238	3 92	1 75	2	351	1600	pCi/g
	BX37-003	748779 797	2082246 293	0 5	2 5	Uranium-238	4 45	1 55	1 49	351	1600	pCi/g
	BX37-004	748808 321	2082297 38	0	0 5	Acetone	21	109	N/A	102000000	211000	ug/kg
	BX37-004	748808 321	2082297 38	0	0 5	Aluminum	18000	4 8	16902	228000	N/A	mg/kg
	BX37-004	748808 321	2082297 38	0	0 5	Chromium	18	0 15	16 99	268	N/A	mg/kg
	BX37-004	748808 321	2082297 38	0	0 5	Copper	19	0 05	18 06	40900	N/A	mg/kg
	BX37-004	748808 321	2082297 38	0	0 5	Lithium	12	0 48	11 55	20400	N/A	mg/kg
	BX37-004	748808 321	2082297 38	0 5	2 5	Naphthalene	0 89	4 74	N/A	3090000	N/A	ug/kg
	BX37-004	748808 321	2082297 38	0	0 5	Uranium, Total	10 59	5 63	5 98	2750	67 8	mg/kg
	BX37-004	748808 321	2082297 38	0 5	2 5	Uranium, Total	8 79	4 1	3 04	2750	67 8	mg/kg
	BX37-004	748808 321	2082297 38	0	0 5	Uranium-234	3 57	1 9	2 25	300	1800	pCi/g
	BX37-004	748808 321	2082297 38	0 5	2 5	Uranium-234	3 04	1 42	2 64	300	1800	pCi/g
	BX37-004	748808 321	2082297 38	0	0 5	Uranium-238	3 57	1 9	2	351	1600	pCi/g
	BX37-004	748808 321	2082297 38	0 5	2 5	Uranium-238	3 04	1 42	1 49	351	1600	pCi/g
	BX37-005	748806 845	2082336 557	0	0 5	Acetone	20	110	N/A	102000000	211000	ug/kg
	BX37-005	748806 845	2082336 557	0 5	2 5	Acetone	24	108	N/A	102000000	211000	ug/kg
	BX37-005	748806 845	2082336 557	0	0 5	Cobalt	53	0 18	10 91	1550	N/A	mg/kg
	BX37-005	748806 845	2082336 557	0	0 5	Copper	150	0 04	18 06	40900	N/A	mg/kg
	BX37-005	748806 845	2082336 557	0 5	2 5	Copper	48	0 05	38 21	40900	N/A	mg/kg
	BX37-005	748806 845	2082336 557	0	0 5	Nickel	16	0 19	14 91	20400	N/A	mg/kg
	BX37-005	748806 845	2082336 557	0	0 5	Selenium	1 3	0 77	1 22	5110	N/A	mg/kg
	BX37-005	748806 845	2082336 557	0	0 5	Tin	15	0 81	2 9	613000	N/A	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BX37-005	748806 845	2082336 557	0	0 5	Uranium, Total	53 64	7 42	5 98	2750	67 8	mg/kg
	BX37-005	748806 845	2082336 557	0 5	2 5	Uranium, Total	43	1 4	3 04	2750	67 8	mg/kg
	BX37-005	748806 845	2082336 557	0	0 5	Uranium-234	18 06	2 5	2 25	300	1800	pCi/g
	BX37-005	748806 845	2082336 557	0 5	2 5	Uranium-234	12 72	2 16	2 64	300	1800	pCi/g
	BX37-005	748806 845	2082336 557	0	0 5	Uranium-235	0 39	0 14	0 09	8	1900	pCi/g
	BX37-005	748806 845	2082336 557	0 5	2 5	Uranium-235	0 27	0 13	0 12	8	1900	pCi/g
	BX37-005	748806 845	2082336 557	0	0 5	Uranium-238	18 06	2 5	2	351	1600	pCi/g
	BX37-005	748806 845	2082336 557	0 5	2 5	Uranium-238	12 72	2 16	1 49	351	1600	pCi/g
	BX37-006	748787 825	2082267 115	0	0 5	Aluminum	17000	4 7	16902	228000	N/A	mg/kg
	BX37-006	748787 825	2082267 115	0	0 5	Cobalt	61	0 18	10 91	1550	N/A	mg/kg
	BX37-006	748787 825	2082267 115	0	0 5	Copper	190	0 04	18 06	40900	N/A	mg/kg
	BX37-006	748787 825	2082267 115	0 5	2 5	Copper	44	0 04	38 21	40900	N/A	mg/kg
	BX37-006	748787 825	2082267 115	0	0 5	Lithium	13	0 47	11 55	20400	N/A	mg/kg
	BX37-006	748787 825	2082267 115	0	0 5	Manganese	370	0 17	365 08	3480	N/A	mg/kg
	BX37-006	748787 825	2082267 115	0	0 5	Uranium, Total	11 13	4 59	5 98	2750	67 8	mg/kg
	BX37-006	748787 825	2082267 115	0 5	2 5	Uranium, Total	8 67	5 26	3 04	2750	67 8	mg/kg
	BX37-006	748787 825	2082267 115	0	0 5	Uranium-234	3 75	1 55	2 25	300	1800	pCi/g
	BX37-006	748787 825	2082267 115	0 5	2 5	Uranium-234	3 04	1 84	2 64	300	1800	pCi/g
	BX37-006	748787 825	2082267 115	0	0 5	Uranium-235	0 22	0 11	0 09	8	1900	pCi/g
	BX37-006	748787 825	2082267 115	0	0 5	Uranium-238	3 75	1 55	2	351	1600	pCi/g
	BX37-006	748787 825	2082267 115	0 5	2 5	Uranium-238	3 04	1 84	1 49	351	1600	pCi/g
	BX37-007	748768 806	2082197 672	0	0 5	Naphthalene	9 62	5 36	N/A	3090000	N/A	ug/kg
	BX37-007	748768 806	2082197 672	0 5	2 5	Naphthalene	1 6	6 02	N/A	3090000	N/A	ug/kg
	BX37-007	748768 806	2082197 672	0	0 5	Uranium, Total	12 27	6 46	5 98	2750	67 8	mg/kg
	BX37-007	748768 806	2082197 672	0 5	2 5	Uranium, Total	21 09	5 47	3 04	2750	67 8	mg/kg
	BX37-007	748768 806	2082197 672	0	0 5	Uranium-234	4 13	2 18	2 25	300	1800	pCi/g
	BX37-007	748768 806	2082197 672	0 5	2 5	Uranium-234	7 1	1 84	2 64	300	1800	pCi/g
	BX37-007	748768 806	2082197 672	0	0 5	Uranium-235	0 21	0 12	0 09	8	1900	pCi/g
	BX37-007	748768 806	2082197 672	0 5	2 5	Uranium-235	0 29	0 14	0 12	8	1900	pCi/g
	BX37-007	748768 806	2082197 672	0	0 5	Uranium-238	4 13	2 18	2	351	1600	pCi/g
	BX37-007	748768 806	2082197 672	0 5	2 5	Uranium-238	7 1	1 84	1 49	351	1600	pCi/g
	BX37-008	748857 474	2082285 364	0	0 5	Aluminum	20000	4 7	16902	228000	N/A	mg/kg
	BX37-008	748857 474	2082285 364	0	0 5	Cobalt	14	0 18	10 91	1550	N/A	mg/kg
	BX37-008	748857 474	2082285 364	0	0 5	Copper	37	0 04	18 06	40900	N/A	mg/kg
	BX37-008	748857 474	2082285 364	0	0 5	Lithium	13	0 47	11 55	20400	N/A	mg/kg
	BX37-008	748857 474	2082285 364	0	0 5	Nickel	17	0 19	14 91	20400	N/A	mg/kg
	BX37-008	748857 474	2082285 364	0	0 5	Selenium	1 5	0 77	1 22	5110	N/A	mg/kg
	BX37-008	748857 474	2082285 364	0	0 5	Uranium, Total	11 77	4 4	5 98	2750	67 8	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BX37-008	748857 474	2082285 364	0 5	2 5	Uranium, Total	10 6	4 72	3 04	2750	67 8	mg/kg
	BX37-008	748857 474	2082285 364	0	0 5	Uranium-234	3 96	1 48	2 25	300	1800	pCi/g
	BX37-008	748857 474	2082285 364	0 5	2 5	Uranium-234	3 8	1 69	2 64	300	1800	pCi/g
	BX37-008	748857 474	2082285 364	0	0 5	Uranium-235	0 22	0 14	0 09	8	1900	pCi/g
	BX37-008	748857 474	2082285 364	0 5	2 5	Uranium-235	0 2	0 13	0 12	8	1900	pCi/g
	BX37-008	748857 474	2082285 364	0	0 5	Uranium-238	3 96	1 48	2	351	1600	pCi/g
	BX37-008	748857 474	2082285 364	0 5	2 5	Uranium-238	3 8	1 69	1 49	351	1600	pCi/g
	BX37-009	748838 454	2082215 922	0	0 5	Lithium	12	0 47	11 55	20400	N/A	mg/kg
	BX37-009	748838 454	2082215 922	0	0 5	Uranium, Total	9 68	4 69	5 98	2750	67 8	mg/kg
	BX37-009	748838 454	2082215 922	0 5	2 5	Uranium, Total	10 78	4 37	3 04	2750	67 8	mg/kg
	BX37-009	748838 454	2082215 922	0	0 5	Uranium-234	3 49	1 69	2 25	300	1800	pCi/g
	BX37-009	748838 454	2082215 922	0 5	2 5	Uranium-234	3 63	1 47	2 64	300	1800	pCi/g
	BX37-009	748838 454	2082215 922	0	0 5	Uranium-235	0 2	0 12	0 09	8	1900	pCi/g
	BX37-009	748838 454	2082215 922	0 5	2 5	Uranium-235	0 21	0 13	0 12	8	1900	pCi/g
	BX37-009	748838 454	2082215 922	0	0 5	Uranium-238	3 49	1 69	2	351	1600	pCi/g
	BX37-009	748838 454	2082215 922	0 5	2 5	Uranium-238	3 63	1 47	1 49	351	1600	pCi/g
	BX37-010	748819 435	2082146 48	0	0 5	Aluminum	24000	5 4	16902	228000	N/A	mg/kg
	BX37-010	748819 435	2082146 48	0	0 5	Barium	200	0 41	141 26	26400	N/A	mg/kg
	BX37-010	748819 435	2082146 48	0 5	2 5	Barium	640	0 4	289 38	26400	N/A	mg/kg
	BX37-010	748819 435	2082146 48	0	0 5	Beryllium	1 1	0 11	0 97	921	2 15	mg/kg
	BX37-010	748819 435	2082146 48	0	0 5	Chromium	23	0 17	16 99	268	N/A	mg/kg
	BX37-010	748819 435	2082146 48	0	0 5	Iron	26000	1 5	18037	307000	N/A	mg/kg
	BX37-010	748819 435	2082146 48	0	0 5	Lithium	13	0 54	11 55	20400	N/A	mg/kg
	BX37-010	748819 435	2082146 48	0 5	2 5	Naphthalene	1 6	5 51	N/A	3090000	N/A	ug/kg
	BX37-010	748819 435	2082146 48	0	0 5	Nickel	19	0 21	14 91	20400	N/A	mg/kg
	BX37-010	748819 435	2082146 48	0	0 5	Selenium	2 1	0 88	1 22	5110	N/A	mg/kg
	BX37-010	748819 435	2082146 48	0	0 5	Strontium	54	0 06	48 94	613000	N/A	mg/kg
	BX37-010	748819 435	2082146 48	0	0 5	Uranium, Total	10 82	4 84	5 98	2750	67 8	mg/kg
	BX37-010	748819 435	2082146 48	0 5	2 5	Uranium, Total	10 84	5 2	3 04	2750	67 8	mg/kg
	BX37-010	748819 435	2082146 48	0	0 5	Uranium-234	3 64	1 63	2 25	300	1800	pCi/g
	BX37-010	748819 435	2082146 48	0 5	2 5	Uranium-234	4 21	2 02	2 64	300	1800	pCi/g
	BX37-010	748819 435	2082146 48	0	0 5	Uranium-235	0 2	0 14	0 09	8	1900	pCi/g
	BX37-010	748819 435	2082146 48	0 5	2 5	Uranium-235	0 2	0 14	0 12	8	1900	pCi/g
	BX37-010	748819 435	2082146 48	0	0 5	Uranium-238	3 64	1 63	2	351	1600	pCi/g
	BX37-010	748819 435	2082146 48	0 5	2 5	Uranium-238	4 21	2 02	1 49	351	1600	pCi/g
	BX37-010	748819 435	2082146 48	0	0 5	Vanadium	51	0 51	45 59	7150	433	mg/kg
	BX37-011	748889 2	2082164 65	0	0 5	Copper	24	0 04	18 06	40900	N/A	mg/kg
	BX37-011	**748889.2**	**2082164.65**	**0.5**	**2.5**	**Lead**	**34**	**0.26**	**24 97**	**1000**	**25.6**	**mg/kg**

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BX37-011	748889 2	2082164 65	0	0 5	Uranium, Total	12 77	5 55	5 98	2750	67 8	mg/kg
	BX37-011	748889 2	2082164 65	0 5	2 5	Uranium, Total	13 79	5 64	3 04	2750	67 8	mg/kg
	BX37-011	748889 2	2082164 65	0	0 5	Uranium-234	4 45	1 94	2 25	300	1800	pCi/g
	BX37-011	748889 2	2082164 65	0 5	2 5	Uranium-234	4 64	1 9	2 64	300	1800	pCi/g
	BX37-011	748889 2	2082164 65	0	0 5	Uranium-235	0 24	0 13	0 09	8	1900	pCi/g
	BX37-011	748889 2	2082164 65	0	0 5	Uranium-238	4 45	1 94	2	351	1600	pCi/g
	BX37-011	748889 2	2082164 65	0 5	2 5	Uranium-238	4 64	1 9	1 49	351	1600	pCi/g
	BY36-007	748583 37	2082432 34	0	0 5	Acetone	26	116	N/A	102000000	211000	ug/kg
	BY36-007	748583 37	2082432 34	0	0 5	Aluminum	17000	5 9	16902	228000	N/A	mg/kg
	BY36-007	748583 37	2082432 34	0	0 5	Chloromethane	1 7	5 81	N/A	371000	N/A	ug/kg
	BY36-007	748583 37	2082432 34	0	0 5	Chromium	30	0 18	16 99	268	N/A	mg/kg
	BY36-007	748583 37	2082432 34	0	0 5	Copper	22	0 06	18 06	40900	N/A	mg/kg
	BY36-007	748583 37	2082432 34	0	0 5	Lithium	14	0 59	11 55	20400	N/A	mg/kg
	BY36-007	748583 37	2082432 34	0	0 5	Nickel	17	0 24	14 91	20400	N/A	mg/kg
	BY36-007	748583 37	2082432 34	0	0 5	Strontium	100	0 07	48 94	613000	N/A	mg/kg
	BY36-007	748583 37	2082432 34	0	0 5	Uranium, Total	9 1	1 7	5 98	2750	67 8	mg/kg
	BY36-007	748583 37	2082432 34	0	0 5	Uranium-234	4 24	1 69	2 25	300	1800	pCi/g
	BY36-007	748583 37	2082432 34	0	0 5	Uranium-235	0 24	0 12	0 09	8	1900	pCi/g
	BY36-007	748583 37	2082432 34	0	0 5	Uranium-238	4 24	1 69	2	351	1600	pCi/g
	BY36-008	748607 3	2082438 82	0	0 5	Acetone	27	106	N/A	102000000	211000	ug/kg
	BY36-008	748607 3	2082438 82	0 5	2 5	Acetone	21	106	N/A	102000000	211000	ug/kg
	BY36-008	748607 3	2082438 82	0	0 5	Chloromethane	1 5	5 3	N/A	371000	N/A	ug/kg
	BY36-008	748607 3	2082438 82	0	0 5	Chromium	79	0 17	16 99	268	N/A	mg/kg
	BY36-008	748607 3	2082438 82	0	0 5	Copper	77	0 05	18 06	40900	N/A	mg/kg
	BY36-008	748607 3	2082438 82	0	0 5	Naphthalene	56 5	5 3	N/A	3090000	N/A	ug/kg
	BY36-008	748607 3	2082438 82	0 5	2 5	Naphthalene	60 6	5 29	N/A	3090000	N/A	ug/kg
	BY36-008	748607 3	2082438 82	0	0 5	Strontium	120	0 07	48 94	613000	N/A	mg/kg
	BY36-008	**748607.3**	**2082438.82**	**0**	**0.5**	**Uranium, Total**	**104 75**	**12 18**	**5.98**	**2750**	**67.8**	**mg/kg**
	BY36-008	**748607.3**	**2082438.82**	**0.5**	**2.5**	**Uranium, Total**	**280**	**1.6**	**3 04**	**2750**	**67.8**	**mg/kg**
	BY36-008	748607 3	2082438 82	0	0 5	Uranium-234	35 27	4 1	2 25	300	1800	pCi/g
	BY36-008	748607 3	2082438 82	0 5	2 5	Uranium-234	25 38	1 92	2 64	300	1800	pCi/g
	BY36-008	748607 3	2082438 82	0	0 5	Uranium-235	0 74	0 14	0 09	8	1900	pCi/g
	BY36-008	748607 3	2082438 82	0 5	2 5	Uranium-235	0 58	0 13	0 12	8	1900	pCi/g
	BY36-008	748607 3	2082438 82	0	0 5	Uranium-238	35 27	4 1	2	351	1600	pCi/g
	BY36-008	748607 3	2082438 82	0 5	2 5	Uranium-238	25 38	1 92	1 49	351	1600	pCi/g
	BY36-008	748607 3	2082438 82	0	0 5	Vanadium	51	0 52	45 59	7150	433	mg/kg
	BY36-009	748686 173	2082384 328	0	0 5	Beryllium	1 1	0 11	0 97	921	2 15	mg/kg
	BY36-009	748686 173	2082384 328	0	0 5	Chromium	19	0 16	16 99	268	N/A	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BY36-009	748686 173	2082384 328	0	0 5	Lithium	14	0 51	11 55	20400	N/A	mg/kg
	BY36-009	748686 173	2082384 328	0	0 5	Nickel	16	0 2	14 91	20400	N/A	mg/kg
	BY36-009	748686 173	2082384 328	0	0 5	Uranium, Total	16 15	5 37	5 98	2750	67 8	mg/kg
	BY36-009	748686 173	2082384 328	0 5	2 5	Uranium, Total	13 45	5 71	3 04	2750	67 8	mg/kg
	BY36-009	748686 173	2082384 328	0	0 5	Uranium-234	5 44	1 81	2 25	300	1800	pCi/g
	BY36-009	748686 173	2082384 328	0 5	2 5	Uranium-234	4 53	1 92	2 64	300	1800	pCi/g
	BY36-009	748686 173	2082384 328	0	0 5	Uranium-235	0 3	0 14	0 09	8	1900	pCi/g
	BY36-009	748686 173	2082384 328	0	0 5	Uranium-238	5 44	1 81	2	351	1600	pCi/g
	BY36-009	748686 173	2082384 328	0 5	2 5	Uranium-238	4 53	1 92	1 49	351	1600	pCi/g
	BY36-010	748735 25	2082449 98	0	0 5	Uranium, Total	8 49	3 12	5 98	2750	67 8	mg/kg
	BY36-011	748636 39	2082443 28	0	0 5	Acetone	24	111	N/A	102000000	211000	ug/kg
	BY36-011	748636 39	2082443 28	0 5	2 5	Acetone	22	111	N/A	102000000	211000	ug/kg
	BY36-011	748636 39	2082443 28	0	0 5	Aluminum	29000	5 6	16902	228000	N/A	mg/kg
	BY36-011	748636 39	2082443 28	0	0 5	Chromium	25	0 18	16 99	268	N/A	mg/kg
	BY36-011	748636 39	2082443 28	0	0 5	Iron	21000	1 6	18037	307000	N/A	mg/kg
	BY36-011	748636 39	2082443 28	0	0 5	Lithium	17	0 56	11 55	20400	N/A	mg/kg
	BY36-011	748636 39	2082443 28	0	0 5	Nickel	21	0 23	14 91	20400	N/A	mg/kg
	BY36-011	748636 39	2082443 28	0	0 5	Uranium, Total	16 95	5 49	5 98	2750	67 8	mg/kg
	BY36-011	748636 39	2082443 28	0 5	2 5	Uranium, Total	10 99	4 69	3 04	2750	67 8	mg/kg
	BY36-011	748636 39	2082443 28	0	0 5	Uranium-234	5 71	1 85	2 25	300	1800	pCi/g
	BY36-011	748636 39	2082443 28	0 5	2 5	Uranium-234	3 7	1 58	2 64	300	1800	pCi/g
	BY36-011	748636 39	2082443 28	0	0 5	Uranium-235	0 26	0 16	0 09	8	1900	pCi/g
	BY36-011	748636 39	2082443 28	0 5	2 5	Uranium-235	0 22	0 13	0 12	8	1900	pCi/g
	BY36-011	748636 39	2082443 28	0	0 5	Uranium-238	5 71	1 85	2	351	1600	pCi/g
	BY36-011	748636 39	2082443 28	0 5	2 5	Uranium-238	3 7	1 58	1 49	351	1600	pCi/g
	BY36-011	748636 39	2082443 28	0	0 5	Vanadium	47	0 54	45 59	7150	433	mg/kg
	BY36-012	748616 919	2082351 251	0	0 5	Antimony	0 53	0 27	0 47	409	N/A	mg/kg
	BY36-012	748616 919	2082351 251	0	0 5	Cobalt	13	0 18	10 91	1550	N/A	mg/kg
	BY36-012	748616 919	2082351 251	0	0 5	Copper	35	0 04	18 06	40900	N/A	mg/kg
	BY36-012	748616 919	2082351 251	0 5	2 5	Copper	45	0 04	38 21	40900	N/A	mg/kg
	BY36-012	748616 919	2082351 251	0	0 5	Uranium, Total	12 12	4 15	5 98	2750	67 8	mg/kg
	BY36-012	748616 919	2082351 251	0 5	2 5	Uranium, Total	8 88	5 32	3 04	2750	67 8	mg/kg
	BY36-012	748616 919	2082351 251	0	0 5	Uranium-234	4 08	1 4	2 25	300	1800	pCi/g
	BY36-012	748616 919	2082351 251	0 5	2 5	Uranium-234	3 13	1 87	2 64	300	1800	pCi/g
	BY36-012	748616 919	2082351 251	0	0 5	Uranium-235	0 21	0 1	0 09	8	1900	pCi/g
	BY36-012	748616 919	2082351 251	0 5	2 5	Uranium-235	0 12	0 11	0 12	8	1900	pCi/g
	BY36-012	748616 919	2082351 251	0	0 5	Uranium-238	4 08	1 4	2	351	1600	pCi/g
	BY36-012	748616 919	2082351 251	0 5	2 5	Uranium-238	3 13	1 87	1 49	351	1600	pCi/g

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BY36-013	748724 607	2082508 385	0	0 5	Acetone	25	103	N/A	102000000	211000	ug/kg
	BY36-013	748724 607	2082508 385	0 5	2 5	Acetone	12	101	N/A	102000000	211000	ug/kg
	BY36-013	748724 607	2082508 385	0	0 5	Copper	26	0 04	18 06	40900	N/A	mg/kg
	BY36-013	748724 607	2082508 385	0	0 5	Uranium, Total	10 82	4 69	5 98	2750	67 8	mg/kg
	BY36-013	748724 607	2082508 385	0 5	2 5	Uranium, Total	9 3	4 78	3 04	2750	67 8	mg/kg
	BY36-013	748724 607	2082508 385	0	0 5	Uranium-234	3 64	1 58	2 25	300	1800	pCi/g
	BY36-013	748724 607	2082508 385	0 5	2 5	Uranium-234	3 29	1 69	2 64	300	1800	pCi/g
	BY36-013	748724 607	2082508 385	0	0 5	Uranium-235	0 14	0 14	0 09	8	1900	pCi/g
	BY36-013	748724 607	2082508 385	0 5	2 5	Uranium-235	0 18	0 13	0 12	8	1900	pCi/g
	BY36-013	748724 607	2082508 385	0	0 5	Uranium-238	3 64	1 58	2	351	1600	pCi/g
	BY36-013	748724 607	2082508 385	0 5	2 5	Uranium-238	3 29	1 69	1 49	351	1600	pCi/g
	BY36-014	748705 587	2082438 943	0	0 5	Acetone	24	115	N/A	102000000	211000	ug/kg
	BY36-014	748705 587	2082438 943	0	0 5	Aluminum	20000	5 6	16902	228000	N/A	mg/kg
	BY36-014	748705 587	2082438 943	0	0 5	Chromium	19	0 17	16 99	268	N/A	mg/kg
	BY36-014	748705 587	2082438 943	0	0 5	Copper	19	0 05	18 06	40900	N/A	mg/kg
	BY36-014	748705 587	2082438 943	0	0 5	Lithium	15	0 56	11 55	20400	N/A	mg/kg
	BY36-014	748705 587	2082438 943	0	0 5	Nickel	16	0 22	14 91	20400	N/A	mg/kg
	BY36-014	748705 587	2082438 943	0	0 5	Uranium, Total	15 62	4 69	5 98	2750	67 8	mg/kg
	BY36-014	748705 587	2082438 943	0 5	2 5	Uranium, Total	12 51	5 25	3 04	2750	67 8	mg/kg
	BY36-014	748705 587	2082438 943	0	0 5	Uranium-234	5 99	1 8	2 25	300	1800	pCi/g
	BY36-014	748705 587	2082438 943	0 5	2 5	Uranium-234	4 21	1 77	2 64	300	1800	pCi/g
	BY36-014	748705 587	2082438 943	0	0 5	Uranium-235	0 31	0 18	0 09	8	1900	pCi/g
	BY36-014	748705 587	2082438 943	0 5	2 5	Uranium-235	0 13	0 13	0 12	8	1900	pCi/g
	BY36-014	748705 587	2082438 943	0	0 5	Uranium-238	5 99	1 8	2	351	1600	pCi/g
	BY36-014	748705 587	2082438 943	0 5	2 5	Uranium-238	4 21	1 77	1 49	351	1600	pCi/g
	BY36-016	748756 55	2082387 75	0	0 5	Aluminum	27000	5 3	16902	228000	N/A	mg/kg
	BY36-016	748756 55	2082387 75	0	0 5	Barium	160	0 4	141 26	26400	N/A	mg/kg
	BY36-016	748756 55	2082387 75	0	0 5	Beryllium	1	0 11	0 97	921	2 15	mg/kg
	BY36-016	748756 55	2082387 75	0	0 5	Chromium	28	0 17	16 99	268	N/A	mg/kg
	BY36-016	748756 55	2082387 75	0	0 5	Cobalt	15	0 2	10 91	1550	N/A	mg/kg
	BY36-016	748756 55	2082387 75	0	0 5	Lithium	14	0 53	11 55	20400	N/A	mg/kg
	BY36-016	748756 55	2082387 75	0	0 5	Manganese	540	0 19	365 08	3480	N/A	mg/kg
	BY36-016	748756 55	2082387 75	0	0 5	Naphthalene	1 2	6 04	N/A	3090000	N/A	ug/kg
	BY36-016	748756 55	2082387 75	0	0 5	Nickel	19	0 21	14 91	20400	N/A	mg/kg
	BY36-016	748756 55	2082387 75	0	0 5	Uranium, Total	6 5	1 5	5 98	2750	67 8	mg/kg
	BY36-016	748756 55	2082387 75	0 5	2 5	Uranium, Total	14 45	5 99	3 04	2750	67 8	mg/kg
	BY36-016	748756 55	2082387 75	0	0 5	Uranium-234	6 78	2 21	2 25	300	1800	pCi/g
	BY36-016	748756 55	2082387 75	0 5	2 5	Uranium-234	4 87	2 02	2 64	300	1800	pCi/g

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BY36-016	748756 55	2082387 75	0	0 5	Uranium-235	0 27	0 13	0 09	8	1900	pCi/g
	BY36-016	748756 55	2082387 75	0 5	2 5	Uranium-235	0 24	0 15	0 12	8	1900	pCi/g
	BY36-016	748756 55	2082387 75	0	0 5	Uranium-238	6 78	2 21	2	351	1600	pCi/g
	BY36-016	748756 55	2082387 75	0 5	2 5	Uranium-238	4 87	2 02	1 49	351	1600	pCi/g
	BY37-001	748819 341	2082359 738	0	0 5	Naphthalene	2 6	5 58	N/A	3090000	N/A	ug/kg
	BY37-001	748819 341	2082359 738	0 5	2 5	Naphthalene	1	5 13	N/A	3090000	N/A	ug/kg
	BY37-001	748819 341	2082359 738	0	0 5	Uranium, Total	13 6	5 09	5 98	2750	67 8	mg/kg
	BY37-001	748819 341	2082359 738	0 5	2 5	Uranium, Total	3 7	1 4	3 04	2750	67 8	mg/kg
	BY37-001	748819 341	2082359 738	0	0 5	Uranium-234	4 58	1 72	2 25	300	1800	pCi/g
	BY37-001	748819 341	2082359 738	0 5	2 5	Uranium-234	4 41	1 59	2 64	300	1800	pCi/g
	BY37-001	748819 341	2082359 738	0	0 5	Uranium-235	0 19	0 15	0 09	8	1900	pCi/g
	BY37-001	748819 341	2082359 738	0 5	2 5	Uranium-235	0 26	0 21	0 12	8	1900	pCi/g
	BY37-001	748819 341	2082359 738	0	0 5	Uranium-238	4 58	1 72	2	351	1600	pCi/g
	BY37-001	748819 341	2082359 738	0 5	2 5	Uranium-238	4 41	1 59	1 49	351	1600	pCi/g
	BY37-002	748899 077	2082348 718	0	0 5	Naphthalene	1 3	5 48	N/A	3090000	N/A	ug/kg
	BY37-002	748899 077	2082348 718	0	0 5	Uranium, Total	10 22	4 54	5 98	2750	67 8	mg/kg
	BY37-002	748899 077	2082348 718	0 5	2 5	Uranium, Total	8 13	4 28	3 04	2750	67 8	mg/kg
	BY37-002	748899 077	2082348 718	0	0 5	Uranium-234	3 66	1 63	2 25	300	1800	pCi/g
	BY37-002	748899 077	2082348 718	0 5	2 5	Uranium-234	2 74	1 44	2 64	300	1800	pCi/g
	BY37-002	748899 077	2082348 718	0	0 5	Uranium-235	0 2	0 14	0 09	8	1900	pCi/g
	BY37-002	748899 077	2082348 718	0 5	2 5	Uranium-235	0 16	0 12	0 12	8	1900	pCi/g
	BY37-002	748899 077	2082348 718	0	0 5	Uranium-238	3 66	1 63	2	351	1600	pCi/g
	BY37-002	748899 077	2082348 718	0 5	2 5	Uranium-238	2 74	1 44	1 49	351	1600	pCi/g
	BY37-003	748899 077	2082377 241	0	0 5	Copper	26	0 04	18 06	40900	N/A	mg/kg
	BY37-003	**748899 077**	**2082377 241**	**0**	**0 5**	**Lead**	**1500**	**0.26**	**54 62**	**1000**	**25.6**	**mg/kg**
	BY37-003	748899 077	2082377 241	0	0 5	Lithium	13	0 47	11 55	20400	N/A	mg/kg
	BY37-003	748899 077	2082377 241	0	0 5	Naphthalene	0 95	5 05	N/A	3090000	N/A	ug/kg
	BY37-003	748899 077	2082377 241	0	0 5	Nickel	15	0 19	14 91	20400	N/A	mg/kg
	BY37-003	748899 077	2082377 241	0	0 5	Toluene	1 5	5 05	N/A	31300000	128000	ug/kg
	BY37-003	748899 077	2082377 241	0	0 5	Uranium, Total	11 64	5 67	5 98	2750	67 8	mg/kg
	BY37-003	748899 077	2082377 241	0 5	2 5	Uranium, Total	4 9	1 4	3 04	2750	67 8	mg/kg
	BY37-003	748899 077	2082377 241	0	0 5	Uranium-234	3 92	1 91	2 25	300	1800	pCi/g
	BY37-003	748899 077	2082377 241	0 5	2 5	Uranium-234	3 63	1 48	2 64	300	1800	pCi/g
	BY37-003	748899 077	2082377 241	0	0 5	Uranium-235	0 15	0 12	0 09	8	1900	pCi/g
	BY37-003	748899 077	2082377 241	0 5	2 5	Uranium-235	0 18	0 12	0 12	8	1900	pCi/g
	BY37-003	748899 077	2082377 241	0	0 5	Uranium-238	3 92	1 91	2	351	1600	pCi/g
	BY37-003	748899 077	2082377 241	0 5	2 5	Uranium-238	3 63	1 48	1 49	351	1600	pCi/g
	BY37-003	748899 077	2082377 241	0	0 5	Xylene	4 5	10 1	N/A	2040000	N/A	ug/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BY37-004	748884 815	2082413 544	0	0 5	Cobalt	11	0 18	10 91	1550	N/A	mg/kg
	BY37-004	748884 815	2082413 544	0	0 5	Copper	28	0 05	18 06	40900	N/A	mg/kg
	BY37-004	748884 815	2082413 544	0	0 5	Uranium, Total	9 27	3 83	5 98	2750	67 8	mg/kg
	BY37-004	748884 815	2082413 544	0 5	2 5	Uranium, Total	11 59	4 31	3 04	2750	67 8	mg/kg
	BY37-004	748884 815	2082413 544	0	0 5	Uranium-234	3 35	1 38	2 25	300	1800	pCi/g
	BY37-004	748884 815	2082413 544	0 5	2 5	Uranium-234	3 9	1 45	2 64	300	1800	pCi/g
	BY37-004	748884 815	2082413 544	0	0 5	Uranium-235	0 18	0 13	0 09	8	1900	pCi/g
	BY37-004	748884 815	2082413 544	0 5	2 5	Uranium-235	0 17	0 12	0 12	8	1900	pCi/g
	BY37-004	748884 815	2082413 544	0	0 5	Uranium-238	3 35	1 38	2	351	1600	pCi/g
	BY37-004	748884 815	2082413 544	0 5	2 5	Uranium-238	3 9	1 45	1 49	351	1600	pCi/g
	BY37-005	748803 783	2082514 672	0	0 5	Acetone	14	98 6	N/A	102000000	211000	ug/kg
	BY37-005	748803 783	2082514 672	0 5	2 5	Acetone	12	103	N/A	102000000	211000	ug/kg
	BY37-005	748803 783	2082514 672	0	0 5	Cobalt	13	0 18	10 91	1550	N/A	mg/kg
	BY37-005	748803 783	2082514 672	0	0 5	Copper	31	0 04	18 06	40900	N/A	mg/kg
	BY37-005	748803 783	2082514 672	0 5	2 5	Copper	46	0 04	38 21	40900	N/A	mg/kg
	BY37-005	748803 783	2082514 672	0	0 5	Uranium, Total	8 94	4 22	5 98	2750	67 8	mg/kg
	BY37-005	748803 783	2082514 672	0 5	2 5	Uranium, Total	3 2	1 4	3 04	2750	67 8	mg/kg
	BY37-005	748803 783	2082514 672	0	0 5	Uranium-234	3 21	1 51	2 25	300	1800	pCi/g
	BY37-005	748803 783	2082514 672	0 5	2 5	Uranium-234	3 77	1 58	2 64	300	1800	pCi/g
	BY37-005	748803 783	2082514 672	0	0 5	Uranium-235	0 19	0 12	0 09	8	1900	pCi/g
	BY37-005	748803 783	2082514 672	0 5	2 5	Uranium-235	0 22	0 12	0 12	8	1900	pCi/g
	BY37-005	748803 783	2082514 672	0	0 5	Uranium-238	3 21	1 51	2	351	1600	pCi/g
	BY37-005	748803 783	2082514 672	0 5	2 5	Uranium-238	3 77	1 58	1 49	351	1600	pCi/g
	BY37-006	748772 085	2082366 663	0	0 5	Aluminum	20000	5 3	16902	228000	N/A	mg/kg
	BY37-006	748772 085	2082366 663	0	0 5	Chromium	17	0 17	16 99	268	N/A	mg/kg
	BY37-006	748772 085	2082366 663	0	0 5	Lithium	12	0 53	11 55	20400	N/A	mg/kg
	BY37-006	748772 085	2082366 663	0	0 5	Uranium, Total	11 66	5 17	5 98	2750	67 8	mg/kg
	BY37-006	748772 085	2082366 663	0 5	2 5	Uranium, Total	20 05	4 37	3 04	2750	67 8	mg/kg
	BY37-006	748772 085	2082366 663	0	0 5	Uranium-234	3 93	1 74	2 25	300	1800	pCi/g
	BY37-006	748772 085	2082366 663	0 5	2 5	Uranium-234	8 38	1 83	2 64	300	1800	pCi/g
	BY37-006	748772 085	2082366 663	0	0 5	Uranium-235	0 2	0 13	0 09	8	1900	pCi/g
	BY37-006	748772 085	2082366 663	0 5	2 5	Uranium-235	0 24	0 17	0 12	8	1900	pCi/g
	BY37-006	748772 085	2082366 663	0	0 5	Uranium-238	3 93	1 74	2	351	1600	pCi/g
	BY37-006	748772 085	2082366 663	0 5	2 5	Uranium-238	8 38	1 83	1 49	351	1600	pCi/g
	BY37-007	748818 99	2082379 8	0	0 5	Aluminum	31000	5 6	16902	228000	N/A	mg/kg
	BY37-007	748818 99	2082379 8	0	0 5	Chromium	28	0 18	16 99	268	N/A	mg/kg
	BY37-007	748818 99	2082379 8	0	0 5	Lithium	14	0 56	11 55	20400	N/A	mg/kg
	BY37-007	748818 99	2082379 8	0	0 5	Mercury	0 22	0 01	0 13	25200	N/A	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BY37-007	748818 99	2082379 8	0	0 5	Selenium	1 5	0 93	1 22	5110	N/A	mg/kg
	BY37-007	748818 99	2082379 8	0	0 5	Uranium, Total	23 8	5 37	5 98	2750	67 8	mg/kg
	BY37-007	748818 99	2082379 8	0 5	2 5	Uranium, Total	10 69	5 05	3 04	2750	67 8	mg/kg
	BY37-007	748818 99	2082379 8	0	0 5	Uranium-234	8 01	1 81	2 25	300	1800	pCi/g
	BY37-007	748818 99	2082379 8	0 5	2 5	Uranium-234	4 23	2	2 64	300	1800	pCi/g
	BY37-007	748818 99	2082379 8	0	0 5	Uranium-235	0 26	0 13	0 09	8	1900	pCi/g
	BY37-007	748818 99	2082379 8	0 5	2 5	Uranium-235	0 2	0 18	0 12	8	1900	pCi/g
	BY37-007	748818 99	2082379 8	0	0 5	Uranium-238	8 01	1 81	2	351	1600	pCi/g
	BY37-007	748818 99	2082379 8	0 5	2 5	Uranium-238	4 23	2	1 49	351	1600	pCi/g
	BY37-008	748799 384	2082463 013	0	0 5	Aluminum	20000	5	16902	228000	N/A	mg/kg
	BY37-008	748799 384	2082463 013	0	0 5	Chromium	17	0 16	16 99	268	N/A	mg/kg
	BY37-008	748799 384	2082463 013	0	0 5	Lithium	13	0 5	11 55	20400	N/A	mg/kg
	BY37-008	748799 384	2082463 013	0	0 5	Nickel	15	0 2	14 91	20400	N/A	mg/kg
	BY37-008	748799 384	2082463 013	0	0 5	Uranium, Total	12 27	4 1	5 98	2750	67 8	mg/kg
	BY37-008	748799 384	2082463 013	0 5	2 5	Uranium, Total	6 98	4 34	3 04	2750	67 8	mg/kg
	BY37-008	748799 384	2082463 013	0	0 5	Uranium-234	4 66	1 56	2 25	300	1800	pCi/g
	BY37-008	748799 384	2082463 013	0 5	2 5	Uranium-234	2 76	1 71	2 64	300	1800	pCi/g
	BY37-008	748799 384	2082463 013	0	0 5	Uranium-235	0 2	0 12	0 09	8	1900	pCi/g
	BY37-008	748799 384	2082463 013	0 5	2 5	Uranium-235	0 21	0 14	0 12	8	1900	pCi/g
	BY37-008	748799 384	2082463 013	0	0 5	Uranium-238	4 66	1 56	2	351	1600	pCi/g
	BY37-008	748799 384	2082463 013	0 5	2 5	Uranium-238	2 76	1 71	1 49	351	1600	pCi/g
	BY37-009	748792 35	2082443 743	0	0 5	Acetone	13	105	N/A	102000000	211000	ug/kg
	BY37-009	**748792.35**	**2082443 743**	**0**	**0.5**	**Beryllium**	**15**	**0.1**	**0 97**	**921**	**2.15**	**mg/kg**
	BY37-009	748792 35	2082443 743	0	0 5	Cadmium	14	0 06	1 61	962	N/A	mg/kg
	BY37-009	748792 35	2082443 743	0	0 5	Chromium	30	0 15	16 99	268	N/A	mg/kg
	BY37-009	748792 35	2082443 743	0	0 5	Copper	29	0 05	18 06	40900	N/A	mg/kg
	BY37-009	748792 35	2082443 743	0	0 5	Nickel	18	0 19	14 91	20400	N/A	mg/kg
	BY37-009	748792 35	2082443 743	0	0 5	Uranium, Total	17 94	4 96	5 98	2750	67 8	mg/kg
	BY37-009	748792 35	2082443 743	0	0 5	Uranium-234	6 49	1 8	2 25	300	1800	pCi/g
	BY37-009	748792 35	2082443 743	0	0 5	Uranium-235	0 27	0 14	0 09	8	1900	pCi/g
	BY37-009	748792 35	2082443 743	0	0 5	Uranium-238	6 49	1 8	2	351	1600	pCi/g
	BY37-009	748792 35	2082443 743	0	0 5	Zinc	130	0 45	73 76	307000	N/A	mg/kg
	BY37-010	748821 877	2082433 305	0	0 5	Cadmium	12	0 07	1 61	962	N/A	mg/kg
	BY37-010	748821 877	2082433 305	0 5	2 5	Cadmium	35	0 07	1 7	962	N/A	mg/kg
	BY37-010	**748821.877**	**2082433.305**	**0**	**0.5**	**Lead**	**34**	**0.27**	**54 62**	**1000**	**25.6**	**mg/kg**
	BY37-010	748821 877	2082433 305	0	0 5	Uranium, Total	17 85	5 05	5 98	2750	67 8	mg/kg
	BY37-010	748821 877	2082433 305	0 5	2 5	Uranium, Total	13 39	5 68	3 04	2750	67 8	mg/kg
	BY37-010	748821 877	2082433 305	0	0 5	Uranium-234	6 76	1 91	2 25	300	1800	pCi/g

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BY37-010	748821 877	2082433 305	0 5	2 5	Uranium-234	4 51	1 91	2 64	300	1800	pCi/g
	BY37-010	748821 877	2082433 305	0	0 5	Uranium-235	0 28	0 14	0 09	8	1900	pCi/g
	BY37-010	748821 877	2082433 305	0 5	2 5	Uranium-235	0 22	0 11	0 12	8	1900	pCi/g
	BY37-010	748821 877	2082433 305	0	0 5	Uranium-238	6 76	1 91	2	351	1600	pCi/g
	BY37-010	748821 877	2082433 305	0 5	2 5	Uranium-238	4 51	1 91	1 49	351	1600	pCi/g
	BY37-011	748843 07	2082544 78	0	0 5	Aluminum	37000	5 2	16902	228000	N/A	mg/kg
	BY37-011	748843 07	2082544 78	0	0 5	Beryllium	1 5	0 11	0 97	921	2 15	mg/kg
	BY37-011	748843 07	2082544 78	0	0 5	Chromium	27	0 16	16 99	268	N/A	mg/kg
	BY37-011	748843 07	2082544 78	0	0 5	Iron	21000	1 5	18037	307000	N/A	mg/kg
	BY37-011	748843 07	2082544 78	0	0 5	Lithium	16	0 52	11 55	20400	N/A	mg/kg
	BY37-011	748843 07	2082544 78	0	0 5	Nickel	21	0 21	14 91	20400	N/A	mg/kg
	BY37-011	748843 07	2082544 78	0	0 5	Selenium	1 8	0 86	1 22	5110	N/A	mg/kg
	BY37-011	748843 07	2082544 78	0	0 5	Uranium, Total	12 45	5 34	5 98	2750	67 8	mg/kg
	BY37-011	748843 07	2082544 78	0 5	2 5	Uranium, Total	12 97	6 54	3 04	2750	67 8	mg/kg
	BY37-011	748843 07	2082544 78	0	0 5	Uranium-234	4 19	1 8	2 25	300	1800	pCi/g
	BY37-011	748843 07	2082544 78	0 5	2 5	Uranium-234	4 37	2 2	2 64	300	1800	pCi/g
	BY37-011	748843 07	2082544 78	0	0 5	Uranium-235	0 26	0 14	0 09	8	1900	pCi/g
	BY37-011	748843 07	2082544 78	0 5	2 5	Uranium-235	0 23	0 15	0 12	8	1900	pCi/g
	BY37-011	748843 07	2082544 78	0	0 5	Uranium-238	4 19	1 8	2	351	1600	pCi/g
	BY37-011	748843 07	2082544 78	0 5	2 5	Uranium-238	4 37	2 2	1 49	351	1600	pCi/g
	BY37-011	748843 07	2082544 78	0	0 5	Vanadium	54	0 5	45 59	7150	433	mg/kg
	BY37-012	748775 236	2082457 192	0	0 5	Acetone	13	110	N/A	102000000	211000	ug/kg
	BY37-012	748775 236	2082457 192	0	0 5	Aluminum	20000	5 1	16902	228000	N/A	mg/kg
	BY37-012	748775 236	2082457 192	0	0 5	Chromium	18	0 16	16 99	268	N/A	mg/kg
	BY37-012	748775 236	2082457 192	0	0 5	Manganese	670	0 18	365 08	3480	N/A	mg/kg
	BY37-012	748775 236	2082457 192	0 5	2 5	Methylene chloride	0 95	0 91	N/A	2530000	39500	ug/kg
	BY37-012	748775 236	2082457 192	0 5	2 5	Naphthalene	0 86	5 16	N/A	3090000	N/A	ug/kg
	BY37-012	748775 236	2082457 192	0	0 5	Nickel	18	0 2	14 91	20400	N/A	mg/kg
	BY37-012	748775 236	2082457 192	0	0 5	Uranium, Total	9 09	4 9	5 98	2750	67 8	mg/kg
	BY37-012	748775 236	2082457 192	0 5	2 5	Uranium, Total	8 85	4 87	3 04	2750	67 8	mg/kg
	BY37-012	748775 236	2082457 192	0	0 5	Uranium-234	3 5	1 89	2 25	300	1800	pCi/g
	BY37-012	748775 236	2082457 192	0 5	2 5	Uranium-234	3 29	1 81	2 64	300	1800	pCi/g
	BY37-012	748775 236	2082457 192	0	0 5	Uranium-235	0 2	0 17	0 09	8	1900	pCi/g
	BY37-012	748775 236	2082457 192	0 5	2 5	Uranium-235	0 16	0 14	0 12	8	1900	pCi/g
	BY37-012	748775 236	2082457 192	0	0 5	Uranium-238	3 5	1 89	2	351	1600	pCi/g
	BY37-012	748775 236	2082457 192	0 5	2 5	Uranium-238	3 29	1 81	1 49	351	1600	pCi/g
	BY37-013	748847 11	2082483 54	0	0 5	2-Butanone	6	5 1	N/A	192000000	433000	ug/kg
	BY37-013	748847 11	2082483 54	0 5	2 5	2-Butanone	8 6	4 9	N/A	192000000	433000	ug/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BY37-013	748847 11	2082483 54	0	0 5	Acetone	24	112	N/A	102000000	211000	ug/kg
	BY37-013	748847 11	2082483 54	0 5	2 5	Acetone	11	4 8	N/A	102000000	211000	ug/kg
	BY37-013	748847 11	2082483 54	0	0 5	Copper	32	0 05	18 06	40900	N/A	mg/kg
	BY37-013	**748847 11**	**2082483.54**	**0**	**0.5**	**Lead**	**36**	**0 27**	**54 62**	**1000**	**25.6**	**mg/kg**
	BY37-013	**748847 11**	**2082483 54**	**0 5**	**2 5**	**Lead**	**53**	**0.26**	**24.97**	**1000**	**25.6**	**mg/kg**
	BY37-013	748847 11	2082483 54	0	0 5	Methylene chloride	1 1	0 87	N/A	2530000	39500	ug/kg
	BY37-013	748847 11	2082483 54	0 5	2 5	Methylene chloride	0 98	0 84	N/A	2530000	39500	ug/kg
	BY37-013	748847 11	2082483 54	0	0 5	Nickel	20	0 2	14 91	20400	N/A	mg/kg
	BY37-013	748847 11	2082483 54	0	0 5	Uranium, Total	13 39	4 06	5 98	2750	67 8	mg/kg
	BY37-013	748847 11	2082483 54	0 5	2 5	Uranium, Total	8 61	4 28	3 04	2750	67 8	mg/kg
	BY37-013	748847 11	2082483 54	0	0 5	Uranium-234	4 51	1 37	2 25	300	1800	pCi/g
	BY37-013	748847 11	2082483 54	0 5	2 5	Uranium-234	3 17	1 57	2 64	300	1800	pCi/g
	BY37-013	748847 11	2082483 54	0	0 5	Uranium-235	0 2	0 12	0 09	8	1900	pCi/g
	BY37-013	748847 11	2082483 54	0 5	2 5	Uranium-235	0 15	0 13	0 12	8	1900	pCi/g
	BY37-013	748847 11	2082483 54	0	0 5	Uranium-238	4 51	1 37	2	351	1600	pCi/g
	BY37-013	748847 11	2082483 54	0 5	2 5	Uranium-238	3 17	1 57	1 49	351	1600	pCi/g
	BY37-016	748876 494	2082354 807	0	0 5	Aluminum	18000	4 6	16902	228000	N/A	mg/kg
	BY37-016	748876 494	2082354 807	0	0 5	Chromium	19	0 14	16 99	268	N/A	mg/kg
	BY37-016	748876 494	2082354 807	0	0 5	Cobalt	22	0 17	10 91	1550	N/A	mg/kg
	BY37-016	748876 494	2082354 807	0	0 5	Copper	60	0 04	18 06	40900	N/A	mg/kg
	BY37-016	748876 494	2082354 807	0	0 5	Lithium	14	0 46	11 55	20400	N/A	mg/kg
	BY37-016	748876 494	2082354 807	0	0 5	Nickel	17	0 18	14 91	20400	N/A	mg/kg
	BY37-016	748876 494	2082354 807	0	0 5	Uranium, Total	11 46	4 01	5 98	2750	67 8	mg/kg
	BY37-016	748876 494	2082354 807	0	0 5	Uranium-234	4 02	1 41	2 25	300	1800	pCi/g
	BY37-016	748876 494	2082354 807	0	0 5	Uranium-235	0 19	0 14	0 09	8	1900	pCi/g
	BY37-016	748876 494	2082354 807	0	0 5	Uranium-238	4 02	1 41	2	351	1600	pCi/g
UBC 447	BW35-002	748552 885	2082068 888	0	0 5	Acetone	25	111	N/A	102000000	211000	ug/kg
	BW35-002	748552 885	2082068 888	0	0 5	Aluminum	21000	5 4	16902	228000	N/A	mg/kg
	BW35-002	748552 885	2082068 888	0	0 5	Beryllium	0 99	0 11	0 97	921	2 15	mg/kg
	BW35-002	748552 885	2082068 888	0	0 5	Chromium	19	0 17	16 99	268	N/A	mg/kg
	BW35-002	748552 885	2082068 888	0	0 5	Cobalt	14	0 2	10 91	1550	N/A	mg/kg
	BW35-002	748552 885	2082068 888	0	0 5	Copper	33	0 05	18 06	40900	N/A	mg/kg
	BW35-002	748552 885	2082068 888	0	0 5	Lithium	12	0 54	11 55	20400	N/A	mg/kg
	BW35-002	748552 885	2082068 888	0	0 5	Nickel	16	0 22	14 91	20400	N/A	mg/kg
	BW35-002	748552 885	2082068 888	0	0 5	Strontium	51	0 07	48 94	613000	N/A	mg/kg
	BW35-002	748552 885	2082068 888	0	0 5	Uranium, Total	8 67	4 16	5 98	2750	67 8	mg/kg
	BW35-002	748552 885	2082068 888	0	0 5	Uranium-234	3 48	1 67	2 25	300	1800	pCi/g
	BW35-002	748552 885	2082068 888	0	0 5	Uranium-235	0 2	0 13	0 09	8	1900	pCi/g

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BW35-002	748552 885	2082068 888	0	0 5	Uranium-238	3 48	1 67	2	351	1600	pCi/g
	BW35-003	748549 78	2082054 842	0	0 5	Acetone	17	5 2	N/A	102000000	211000	ug/kg
	BW35-003	748549 78	2082054 842	0	0 5	Aluminum	24000	5 1	16902	228000	N/A	mg/kg
	BW35-003	748549 78	2082054 842	0	0 5	Beryllium	1 1	0 11	0 97	921	2 15	mg/kg
	BW35-003	748549 78	2082054 842	0	0 5	Chromium	19	0 16	16 99	268	N/A	mg/kg
	BW35-003	748549 78	2082054 842	0	0 5	Copper	20	0 05	18 06	40900	N/A	mg/kg
	BW35-003	748549 78	2082054 842	0	0 5	Lithium	13	0 51	11 55	20400	N/A	mg/kg
	BW35-003	748549 78	2082054 842	0	0 5	Methylene chloride	1 2	0 9	N/A	2530000	39500	ug/kg
	BW35-003	748549 78	2082054 842	0 5	2 5	Methylene chloride	1	0 89	N/A	2530000	39500	ug/kg
	BW35-003	748549 78	2082054 842	0 5	2 5	Naphthalene	0 98	5 67	N/A	3090000	N/A	ug/kg
	BW35-003	748549 78	2082054 842	0	0 5	Nickel	15	0 2	14 91	20400	N/A	mg/kg
	BW35-003	748549 78	2082054 842	0	0 5	Uranium, Total	14 78	5 81	5 98	2750	67 8	mg/kg
	BW35-003	748549 78	2082054 842	0 5	2 5	Uranium, Total	3 27	0 75	3 04	2750	67 8	mg/kg
	BW35-003	748549 78	2082054 842	0	0 5	Uranium-234	4 98	1 96	2 25	300	1800	pCi/g
	BW35-003	748549 78	2082054 842	0 5	2 5	Uranium-234	4 21	1 9	2 64	300	1800	pCi/g
	BW35-003	748549 78	2082054 842	0	0 5	Uranium-235	0 21	0 2	0 09	8	1900	pCi/g
	BW35-003	748549 78	2082054 842	0 5	2 5	Uranium-235	0 47	0 29	0 12	8	1900	pCi/g
	BW35-003	748549 78	2082054 842	0	0 5	Uranium-238	4 98	1 96	2	351	1600	pCi/g
	BW35-003	748549 78	2082054 842	0 5	2 5	Uranium-238	4 21	1 9	1 49	351	1600	pCi/g
	BW35-004	748536 921	2082032 27	0	0 5	Aluminum	27000	5 5	16902	228000	N/A	mg/kg
	BW35-004	748536 921	2082032 27	0	0 5	Barium	170	0 42	141 26	26400	N/A	mg/kg
	BW35-004	748536 921	2082032 27	0	0 5	Beryllium	1 2	0 12	0 97	921	2 15	mg/kg
	BW35-004	748536 921	2082032 27	0	0 5	Chromium	24	0 17	16 99	268	N/A	mg/kg
	BW35-004	748536 921	2082032 27	0	0 5	Cobalt	19	0 21	10 91	1550	N/A	mg/kg
	BW35-004	748536 921	2082032 27	0	0 5	Copper	41	0 05	18 06	40900	N/A	mg/kg
	BW35-004	748536 921	2082032 27	0	0 5	Iron	22000	1 6	18037	307000	N/A	mg/kg
	BW35-004	748536 921	2082032 27	0	0 5	Lithium	16	0 55	11 55	20400	N/A	mg/kg
	BW35-004	748536 921	2082032 27	0	0 5	Manganese	550	0 2	365 08	3480	N/A	mg/kg
	BW35-004	748536 921	2082032 27	0	0 5	Nickel	22	0 22	14 91	20400	N/A	mg/kg
	BW35-004	748536 921	2082032 27	0	0 5	Strontium	63	0 07	48 94	613000	N/A	mg/kg
	BW35-004	748536 921	2082032 27	0	0 5	Uranium, Total	53 73	8 95	5 98	2750	67 8	mg/kg
	BW35-004	748536 921	2082032 27	0	0 5	Uranium-234	18 09	3 01	2 25	300	1800	pCi/g
	BW35-004	748536 921	2082032 27	0	0 5	Uranium-235	0 41	0 17	0 09	8	1900	pCi/g
	BW35-004	748536 921	2082032 27	0	0 5	Uranium-238	18 09	3 01	2	351	1600	pCi/g
	BW35-004	748536 921	2082032 27	0	0 5	Vanadium	52	0 53	45 59	7150	433	mg/kg
	BW35-005	748529 97	2082104	0	0 5	Aluminum	20000	5 3	16902	228000	N/A	mg/kg
	BW35-005	748529 97	2082104	0	0 5	Beryllium	0 97	0 11	0 97	921	2 15	mg/kg
	BW35-005	748529 97	2082104	0	0 5	Chromium	18	0 16	16 99	268	N/A	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BW35-005	748529 97	2082104	0	0.5	Lead	590	0.29	54 62	1000	25 6	mg/kg
	BW35-005	748529 97	2082104	0	0 5	Uranium, Total	12 29	4 72	5 98	2750	67 8	mg/kg
	BW35-005	748529 97	2082104	0 5	2 5	Uranium, Total	15 86	4 28	3 04	2750	67 8	mg/kg
	BW35-005	748529 97	2082104	0	0 5	Uranium-234	4 14	1 59	2 25	300	1800	pCi/g
	BW35-005	748529 97	2082104	0 5	2 5	Uranium-234	6 26	1 69	2 64	300	1800	pCi/g
	BW35-005	748529 97	2082104	0	0 5	Uranium-235	0 18	0 12	0 09	8	1900	pCi/g
	BW35-005	748529 97	2082104	0 5	2 5	Uranium-235	0 29	0 19	0 12	8	1900	pCi/g
	BW35-005	748529 97	2082104	0	0 5	Uranium-238	4 14	1 59	2	351	1600	pCi/g
	BW35-005	748529 97	2082104	0 5	2 5	Uranium-238	6 26	1 69	1 49	351	1600	pCi/g
	BW36-015	748592 78	2082067 739	0	0 5	Acetone	36	120	N/A	102000000	211000	ug/kg
	BW36-015	748592 78	2082067 739	0	0 5	Aluminum	21000	5 3	16902	228000	N/A	mg/kg
	BW36-015	748592 78	2082067 739	0	0 5	Beryllium	1 1	0 11	0 97	921	2 15	mg/kg
	BW36-015	748592 78	2082067 739	0	0 5	Chromium	17	0 17	16 99	268	N/A	mg/kg
	BW36-015	748592 78	2082067 739	0	0 5	Lithium	12	0 53	11 55	20400	N/A	mg/kg
	BW36-015	748592 78	2082067 739	0	0 5	Uranium, Total	8 02	4 13	5 98	2750	67 8	mg/kg
	BW36-015	748592 78	2082067 739	0 5	2 5	Uranium, Total	16 23	6 38	3 04	2750	67 8	mg/kg
	BW36-015	748592 78	2082067 739	0	0 5	Uranium-234	3 3	1 7	2 25	300	1800	pCi/g
	BW36-015	748592 78	2082067 739	0 5	2 5	Uranium-234	5 46	2 15	2 64	300	1800	pCi/g
	BW36-015	748592 78	2082067 739	0 5	2 5	Uranium-235	0 31	0 15	0 12	8	1900	pCi/g
	BW36-015	748592 78	2082067 739	0	0 5	Uranium-238	3 3	1 7	2	351	1600	pCi/g
	BW36-015	748592 78	2082067 739	0 5	2 5	Uranium-238	5 46	2 15	1 49	351	1600	pCi/g
	BW36-016	748564 36	2082125 641	0	0 5	Aluminum	33000	5 5	16902	228000	N/A	mg/kg
	BW36-016	748564 36	2082125 641	0	0 5	Beryllium	1 6	0 11	0 97	921	2 15	mg/kg
	BW36-016	748564 36	2082125 641	0	0 5	Chromium	25	0 17	16 99	268	N/A	mg/kg
	BW36-016	748564 36	2082125 641	0	0 5	Cobalt	34	0 21	10 91	1550	N/A	mg/kg
	BW36-016	748564 36	2082125 641	0	0 5	Copper	80	0 05	18 06	40900	N/A	mg/kg
	BW36-016	748564 36	2082125 641	0	0 5	Iron	21000	1 6	18037	307000	N/A	mg/kg
	BW36-016	748564 36	2082125 641	0	0 5	Lithium	16	0 55	11 55	20400	N/A	mg/kg
	BW36-016	748564 36	2082125 641	0	0 5	Nickel	21	0 22	14 91	20400	N/A	mg/kg
	BW36-016	748564 36	2082125 641	0	0 5	Tin	7 7	0 95	2 9	613000	N/A	mg/kg
	BW36-016	748564 36	2082125 641	0	0 5	Uranium, Total	9 18	4 66	5 98	2750	67 8	mg/kg
	BW36-016	748564 36	2082125 641	0 5	2 5	Uranium, Total	12 53	4 75	3 04	2750	67 8	mg/kg
	BW36-016	748564 36	2082125 641	0	0 5	Uranium-234	3 09	1 57	2 25	300	1800	pCi/g
	BW36-016	748564 36	2082125 641	0 5	2 5	Uranium-234	4 79	1 82	2 64	300	1800	pCi/g
	BW36-016	748564 36	2082125 641	0 5	2 5	Uranium-235	0 23	0 16	0 12	8	1900	pCi/g
	BW36-016	748564 36	2082125 641	0	0 5	Uranium-238	3 09	1 57	2	351	1600	pCi/g
	BW36-016	748564 36	2082125 641	0 5	2 5	Uranium-238	4 79	1 82	1 49	351	1600	pCi/g
	BW36-016	748564 36	2082125 641	0	0 5	Vanadium	51	0 52	45 59	7150	433	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BX35-001	748534 978	2082236 087	0	0 5	Aluminum	38000	5 3	16902	228000	N/A	mg/kg
	BX35-001	748534 978	2082236 087	0	0 5	Beryllium	1 5	0 11	0 97	921	2 15	mg/kg
	BX35-001	748534 978	2082236 087	0	0 5	Chromium	27	0 16	16 99	268	N/A	mg/kg
	BX35-001	748534 978	2082236 087	0	0 5	Iron	20000	1 5	18037	307000	N/A	mg/kg
	BX35-001	748534 978	2082236 087	0	0 5	Lithium	20	0 53	11 55	20400	N/A	mg/kg
	BX35-001	748534 978	2082236 087	0	0 5	Naphthalene	1 2	6 08	N/A	3090000	N/A	ug/kg
	BX35-001	748534 978	2082236 087	0	0 5	Nickel	22	0 21	14 91	20400	N/A	mg/kg
	BX35-001	748534 978	2082236 087	0	0 5	Uranium, Total	13 38	5 18	5 98	2750	67 8	mg/kg
	BX35-001	748534 978	2082236 087	0 5	2 5	Uranium, Total	10 26	5 95	3 04	2750	67 8	mg/kg
	BX35-001	748534 978	2082236 087	0	0 5	Uranium-234	4 51	1 75	2 25	300	1800	pCi/g
	BX35-001	748534 978	2082236 087	0 5	2 5	Uranium-234	3 46	2	2 64	300	1800	pCi/g
	BX35-001	748534 978	2082236 087	0	0 5	Uranium-235	0 25	0 14	0 09	8	1900	pCi/g
	BX35-001	748534 978	2082236 087	0 5	2 5	Uranium-235	0 31	0 17	0 12	8	1900	pCi/g
	BX35-001	748534 978	2082236 087	0	0 5	Uranium-238	4 51	1 75	2	351	1600	pCi/g
	BX35-001	748534 978	2082236 087	0 5	2 5	Uranium-238	3 46	2	1 49	351	1600	pCi/g
	BX35-001	748534 978	2082236 087	0	0 5	Vanadium	50	0 5	45 59	7150	433	mg/kg
	BX35-002	748539 58	2082154 314	0	0 5	Aluminum	19000	5 2	16902	228000	N/A	mg/kg
	BX35-002	748539 58	2082154 314	0	0 5	Beryllium	0 99	0 11	0 97	921	2 15	mg/kg
	BX35-002	748539 58	2082154 314	0	0 5	Nickel	15	0 21	14 91	20400	N/A	mg/kg
	BX35-002	748539 58	2082154 314	0	0 5	Uranium, Total	12 24	4 51	5 98	2750	67 8	mg/kg
	BX35-002	748539 58	2082154 314	0 5	2 5	Uranium, Total	12 24	4 8	3 04	2750	67 8	mg/kg
	BX35-002	748539 58	2082154 314	0	0 5	Uranium-234	4 68	1 73	2 25	300	1800	pCi/g
	BX35-002	748539 58	2082154 314	0 5	2 5	Uranium-234	4 12	1 62	2 64	300	1800	pCi/g
	BX35-002	748539 58	2082154 314	0	0 5	Uranium-235	0 16	0 16	0 09	8	1900	pCi/g
	BX35-002	748539 58	2082154 314	0 5	2 5	Uranium-235	0 21	0 15	0 12	8	1900	pCi/g
	BX35-002	748539 58	2082154 314	0	0 5	Uranium-238	4 68	1 73	2	351	1600	pCi/g
	BX35-002	748539 58	2082154 314	0 5	2 5	Uranium-238	4 12	1 62	1 49	351	1600	pCi/g
	BX35-004	748525 25	2082175 79	0	0 5	Copper	20	0 04	18 06	40900	N/A	mg/kg
	BX35-004	748525 25	2082175 79	0	0 5	Uranium, Total	13 07	5 44	5 98	2750	67 8	mg/kg
	BX35-004	748525 25	2082175 79	0 5	2 5	Uranium, Total	3 4	1 5	3 04	2750	67 8	mg/kg
	BX35-004	748525 25	2082175 79	0	0 5	Uranium-234	4 56	1 9	2 25	300	1800	pCi/g
	BX35-004	748525 25	2082175 79	0 5	2 5	Uranium-234	5 17	2 37	2 64	300	1800	pCi/g
	BX35-004	748525 25	2082175 79	0	0 5	Uranium-235	0 2	0 15	0 09	8	1900	pCi/g
	BX35-004	748525 25	2082175 79	0 5	2 5	Uranium-235	0 25	0 21	0 12	8	1900	pCi/g
	BX35-004	748525 25	2082175 79	0	0 5	Uranium-238	4 56	1 9	2	351	1600	pCi/g
	BX35-004	748525 25	2082175 79	0 5	2 5	Uranium-238	5 17	2 37	1 49	351	1600	pCi/g
	BX36-008	748563 98	2082172 014	0	0 5	4-Methyl-2-pentanone	12	56 9	N/A	16400000	N/A	ug/kg
	BX36-008	748563 98	2082172 014	0	0 5	Aluminum	25000	4 9	16902	228000	N/A	mg/kg

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BX36-008	748563 98	2082172 014	0	0 5	Beryllium	1 3	0 1	0 97	921	2 15	mg/kg
	BX36-008	748563 98	2082172 014	0	0 5	Chromium	19	0 15	16 99	268	N/A	mg/kg
	BX36-008	748563 98	2082172 014	0	0 5	Lithium	14	0 49	11 55	20400	N/A	mg/kg
	BX36-008	748563 98	2082172 014	0	0 5	Naphthalene	3 2	5 69	N/A	3090000	N/A	ug/kg
	BX36-008	748563 98	2082172 014	0	0 5	Nickel	17	0 2	14 91	20400	N/A	mg/kg
	BX36-008	748563 98	2082172 014	0	0 5	Tetrachloroethene	4 6	5 69	N/A	615000	37500	ug/kg
	BX36-008	748563 98	2082172 014	0	0 5	Uranium, Total	19 95	5 02	5 98	2750	67 8	mg/kg
	BX36-008	748563 98	2082172 014	0	0 5	Uranium-234	6 72	1 69	2 25	300	1800	pCi/g
	BX36-008	748563 98	2082172 014	0	0 5	Uranium-238	6 72	1 69	2	351	1600	pCi/g
	BX36-008	748563 98	2082172 014	0	0 5	Xylene	6 1	11 4	N/A	2040000	N/A	ug/kg
	BX36-009	748563 652	2082219 449	0	0 5	Aluminum	28000	5 1	16902	228000	N/A	mg/kg
	BX36-009	748563 652	2082219 449	0	0 5	Beryllium	1 3	0 11	0 97	921	2 15	mg/kg
	BX36-009	748563 652	2082219 449	0	0 5	Chromium	20	0 16	16 99	268	N/A	mg/kg
	BX36-009	**748563 652**	**2082219.449**	**0**	**0 5**	**Lead**	**29**	**0.28**	**54 62**	**1000**	**25 6**	**mg/kg**
	BX36-009	748563 652	2082219 449	0	0 5	Lithium	15	0 51	11 55	20400	N/A	mg/kg
	BX36-009	748563 652	2082219 449	0	0 5	Naphthalene	1 1	5 54	N/A	3090000	N/A	ug/kg
	BX36-009	748563 652	2082219 449	0 5	2 5	Naphthalene	1 1	6 24	N/A	3090000	N/A	ug/kg
	BX36-009	748563 652	2082219 449	0	0 5	Nickel	19	0 2	14 91	20400	N/A	mg/kg
	BX36-009	748563 652	2082219 449	0	0 5	Strontium	59	0 06	48 94	613000	N/A	mg/kg
	BX36-009	748563 652	2082219 449	0	0 5	Uranium, Total	9 92	4 31	5 98	2750	67 8	mg/kg
	BX36-009	748563 652	2082219 449	0 5	2 5	Uranium, Total	11 19	4 95	3 04	2750	67 8	mg/kg
	BX36-009	748563 652	2082219 449	0	0 5	Uranium-234	3 87	1 68	2 25	300	1800	pCi/g
	BX36-009	748563 652	2082219 449	0 5	2 5	Uranium-234	3 77	1 67	2 64	300	1800	pCi/g
	BX36-009	748563 652	2082219 449	0	0 5	Uranium-235	0 22	0 13	0 09	8	1900	pCi/g
	BX36-009	748563 652	2082219 449	0 5	2 5	Uranium-235	0 21	0 11	0 12	8	1900	pCi/g
	BX36-009	748563 652	2082219 449	0	0 5	Uranium-238	3 87	1 68	2	351	1600	pCi/g
	BX36-009	748563 652	2082219 449	0 5	2 5	Uranium-238	3 77	1 67	1 49	351	1600	pCi/g
	BX36-015	748590 456	2082144 902	0	0 5	Aluminum	30000	5 2	16902	228000	N/A	mg/kg
	BX36-015	748590 456	2082144 902	0	0 5	Beryllium	1 3	0 11	0 97	921	2 15	mg/kg
	BX36-015	748590 456	2082144 902	0	0 5	Chromium	19	0 16	16 99	268	N/A	mg/kg
	BX36-015	748590 456	2082144 902	0	0 5	Iron	19000	1 5	18037	307000	N/A	mg/kg
	BX36-015	748590 456	2082144 902	0	0 5	Lithium	15	0 52	11 55	20400	N/A	mg/kg
	BX36-015	748590 456	2082144 902	0	0 5	Nickel	17	0 21	14 91	20400	N/A	mg/kg
	BX36-015	748590 456	2082144 902	0	0 5	Uranium, Total	9	4 6	5 98	2750	67 8	mg/kg
	BX36-015	748590 456	2082144 902	0 5	2 5	Uranium, Total	13 72	5 42	3 04	2750	67 8	mg/kg
	BX36-015	748590 456	2082144 902	0	0 5	Uranium-234	3 56	1 82	2 25	300	1800	pCi/g
	BX36-015	748590 456	2082144 902	0 5	2 5	Uranium-234	4 62	1 83	2 64	300	1800	pCi/g
	BX36-015	748590 456	2082144 902	0	0 5	Uranium-235	0 22	0 15	0 09	8	1900	pCi/g

IHSS, PAC, or UBC Site	Location Code	Actual Easting	Actual Northing	Depth Start (ft)	Depth End (ft)	Analyte	Result	Detection Limit	Background Mean + 2 SD	WRW AL	Ecological Receptor AL	Unit
	BX36-015	748590 456	2082144 902	0 5	2 5	Uranium-235	0 22	0 14	0 12	8	1900	pCi/g
	BX36-015	748590 456	2082144 902	0	0 5	Uranium-238	3 56	1 82	2	351	1600	pCi/g
	BX36-015	748590 456	2082144 902	0 5	2 5	Uranium-238	4 62	1 83	1 49	351	1600	pCi/g
	BX36-016	748584 71	2082216 672	0	0 5	Aluminum	25000	5 1	16902	228000	N/A	mg/kg
	BX36-016	748584 71	2082216 672	0	0 5	Beryllium	1 2	0 11	0 97	921	2 15	mg/kg
	BX36-016	748584 71	2082216 672	0	0 5	Chromium	18	0 16	16 99	268	N/A	mg/kg
	BX36-016	748584 71	2082216 672	0	0 5	Cobalt	11	0 19	10 91	1550	N/A	mg/kg
	BX36-016	748584 71	2082216 672	0	0 5	Copper	24	0 05	18 06	40900	N/A	mg/kg
	BX36-016	748584 71	2082216 672	0	0 5	Lithium	14	0 51	11 55	20400	N/A	mg/kg
	BX36-016	748584 71	2082216 672	0	0 5	Nickel	17	0 2	14 91	20400	N/A	mg/kg
	BX36-016	748584 71	2082216 672	0	0 5	Uranium, Total	12 44	4 99	5 98	2750	67 8	mg/kg
	BX36-016	748584 71	2082216 672	0 5	2 5	Uranium, Total	11 64	4 69	3 04	2750	67 8	mg/kg
	BX36-016	748584 71	2082216 672	0	0 5	Uranium-234	4 56	1 83	2 25	300	1800	pCi/g
	BX36-016	748584 71	2082216 672	0 5	2 5	Uranium-234	4 26	1 72	2 64	300	1800	pCi/g
	BX36-016	748584 71	2082216 672	0	0 5	Uranium-235	0 2	0 12	0 09	8	1900	pCi/g
	BX36-016	748584 71	2082216 672	0 5	2 5	Uranium-235	0 2	0 17	0 12	8	1900	pCi/g
	BX36-016	748584 71	2082216 672	0	0 5	Uranium-238	4 56	1 83	2	351	1600	pCi/g
	BX36-016	748584 71	2082216 672	0 5	2 5	Uranium-238	4 26	1 72	1 49	351	1600	pCi/g
	BX36-017	748649 738	2082185 764	0	0 5	Acetone	13	104	N/A	102000000	211000	ug/kg
	BX36-017	748649 738	2082185 764	0	0 5	Antimony	0 5	0 28	0 47	409	N/A	mg/kg
	BX36-017	748649 738	2082185 764	0	0 5	Copper	25	0 05	18 06	40900	N/A	mg/kg
	BX36-017	748649 738	2082185 764	0	0 5	Uranium, Total	9 86	5 58	5 98	2750	67 8	mg/kg
	BX36-017	748649 738	2082185 764	0 5	2 5	Uranium, Total	13 94	5 88	3 04	2750	67 8	mg/kg
	BX36-017	748649 738	2082185 764	0	0 5	Uranium-234	3 52	2	2 25	300	1800	pCi/g
	BX36-017	748649 738	2082185 764	0 5	2 5	Uranium-234	4 69	1 98	2 64	300	1800	pCi/g
	BX36-017	748649 738	2082185 764	0 5	2 5	Uranium-235	0 25	0 16	0 12	8	1900	pCi/g
	BX36-017	748649 738	2082185 764	0	0 5	Uranium-238	3 52	2	2	351	1600	pCi/g
	BX36-017	748649 738	2082185 764	0 5	2 5	Uranium-238	4 69	1 98	1 49	351	1600	pCi/g

Bold – Denotes analyte exceeds either WRW AL and/or ecological receptor AL

Special Note – On occasion results less than the number listed in the Detection Limit column are reported This is correct, because the Detection Limit column is populated with both reporting limits and method detection limits

2.1 Analytical Results

Analytical results indicate that the analytes shown in Table 4 are present in soil at concentrations greater than RFCA soil wildlife refuge worker (WRW) ALs or ecological receptor ALs (DOE et al 2003)

Table 4
IHSS Group 400-3 AL Exceedances

Location	Analyte	Result	AL Exceeded	AL Value (mg/kg)	Start Depth (feet)	End Depth (feet)
BW36-005	Beryllium	2 8	Ecological	2 15	0	0 5
BY36-017	Beryllium	4 4	Ecological	2 15	0	0 5
BY36-018	Beryllium	3 8	Ecological	2 15	0	0 5
BY37-009	Beryllium	15	Ecological	2 15	0	0 5
BZ37-000	Beryllium	2 7	Ecological	2 15	0	0 5
BY35-001-01	Beryllium	2 5	Ecological	2 15	0 5	2 5
BY35-003-01	Beryllium	3 3	Ecological	2 15	0 5	2 5
BY35-004	Beryllium	2 3	Ecological	2 15	0 5	2 5
BY35-005	Beryllium	2 4	Ecological	2 15	0 5	2 5
BY36-017	Beryllium	2 2	Ecological	2 15	0 5	2 5
BZ36-001-01	Beryllium	2 9	Ecological	2 15	2 5	4 5
BZ37-000	Beryllium	3 3	Ecological	2 15	2 5	4 5
BW35-001	Lead	27	Ecological	25 6	0	0 5
BW35-005	Lead	590	Ecological	25 6	0	0 5
BX36-009	Lead	29	Ecological	25 6	0	0 5
BY36-018	Lead	72	Ecological	25 6	0	0 5
BY37-003	Lead	1500	WRW	1000	0	0 5
BY37-010	Lead	34	Ecological	25 6	0	0 5
BY37-013	Lead	36	Ecological	25 6	0	0.5
BX37-011	Lead	34	Ecological	25 6	0 5	2 5
BY36-018	Lead	51	Ecological	25 6	0 5	2 5
BY37-013	Lead	53	Ecological	25 6	0 5	2 5
BZ35-002-01	Lead	35	Ecological	25 6	0 5	2 5
BY36-008	Uranium, Total	104 8	Ecological	67 8	0	0 5
BY36-008	Uranium, Total	280	Ecological	67 8	0 5	2 5

One liquid sample was collected from the elevator pit from UBC 444/447 when water was encountered in the borehole at location BY36-010 Analytical results indicate all contaminant concentrations in the borehole samples were below RFCA Tier II groundwater ALs with one exception The uranium-238 concentration at location BY36-010 was 1 21 picocuries per liter (pCi/L), and the Tier II AL is 0 768 pCi/L The Tier I AL for uranium-238 is 76 8 pCi/L Further groundwater evaluation will be part of the groundwater plume remedial decision and future Sitewide evaluation The raw data are included in the enclosed CD as a separate file

62

2.2 SORs

RFCA SORs were calculated for the IHSS Group 400-3 sampling locations SOR calculations were based on accelerated action analytical data for the radionuclides of concern (americium-241, plutonium-239/240, uranium-234, uranium-235, and uranium-238) with activities greater than background means plus two standard deviations Table 5 presents the SORs for surface and subsurface soil All SORs are less than 1

Table 5
RFCA SORs Based on IHSS Group 400-3 Radionuclide Activities

Location	Start Depth (ft)	End Depth (ft)	SOR
BW35-000	0 5	2 5	0 063
BW35-001	0 5	2 5	0 006
BW35-003	0 5	2 5	0 112
BW35-005	0 5	2 5	0 075
BW36-000	0 5	2 5	0 049
BW36-001	0 5	2 5	0 042
BW36-002	0 5	2 5	0 047
BW36-003	0 5	2 5	0 019
BW36-004	0 5	2 5	0 051
BW36-005	0 5	2 5	0 024
BW36-006	0 5	2 5	0 050
BW36-007	0 5	2 5	0 052
BW36-008	0 5	2 5	0 056
BW36-009	0 5	2 5	0 022
BW36-010	0 5	2 5	0 053
BW36-011	0 5	2 5	0 061
BW36-012	0 5	2 5	0 049
BW36-013	0 5	2 5	0 055
BW36-015	0 5	2 5	0 072
BW36-016	0 5	2 5	0 059
BW37-000	0 5	2 5	0 025
BW37-001	0 5	2 5	0 021
BX35-000	0 5	2 5	0 061
BX35-001	0 5	2 5	0 060
BX35-002	0 5	2 5	0 051
BX35-003	0 5	2 5	0 043
BX35-004	0 5	2 5	0 064
BX36-000	0 5	2 5	0 057
BX36-001	0 5	2 5	0 022
BX36-002	0 5	2 5	0 045
BX36-003	0 5	2 5	0 059
BX36-004	0 5	2 5	0 044
BX36-005	0 5	2 5	0 077
BX36-006	0 5	2 5	0 005
BX36-007	0 5	2 5	0 004
BX36-009	0 5	2 5	0 049
BX36-011	0 5	2 5	0 045
BX36-012	0 5	2 5	0 205
BX36-013	0 5	2 5	0 055
BX36-014	0 5	2 5	0 039
BX36-015	0 5	2 5	0 056

63

Location	Start Depth (ft)	End Depth (ft)	SOR
BX36-016	0 5	2 5	0 052
BX36-017	0 5	2 5	0 060
BX37-000	2 5	4 5	0 054
BX37-000	4 5	6 5	0 054
BX37-000	6 5	8 5	0 046
BX37-001	0 5	2 5	0 060
BX37-002	0 5	2 5	0 043
BX37-003	0 5	2 5	0 028
BX37-004	0 5	2 5	0 019
BX37-005	0 5	2 5	0 112
BX37-006	0 5	2 5	0 019
BX37-007	0 5	2 5	0 080
BX37-008	0 5	2 5	0 048
BX37-009	0 5	2 5	0 049
BX37-010	0 5	2 5	0 051
BX37-011	0 5	2 5	0 029
BY35-000-01	0 5	2 5	0 054
BY35-001-01	0 5	2 5	0 060
BY35-002-01	0 5	2 5	0 049
BY35-003-01	0 5	2 5	0 058
BY35-004	0 5	2 5	0 048
BY35-005	0 5	2 5	0 050
BY36-001	0 5	2 5	0 058
BY36-003	0 5	2 5	0 063
BY36-004	0 5	2 5	0 049
BY36-005	0 5	2 5	0 044
BY36-008	0 5	2 5	0 229
BY36-009	0 5	2 5	0 028
BY36-011	0 5	2 5	0 051
BY36-012	0 5	2 5	0 035
BY36-013	0 5	2 5	0 043
BY36-014	0 5	2 5	0 043
BY36-016	0 5	2 5	0 060
BY36-017	0 5	2 5	0 073
BY36-018	0 5	2 5	0 058
BY37-000	2 5	4 5	0 056
BY37-000	4 5	6 5	0 056
BY37-000	6 5	8 5	0 048
BY37-001	0 5	2 5	0 060
BY37-002	0 5	2 5	0 036
BY37-003	0 5	2 5	0 045
BY37-004	0 5	2 5	0 045
BY37-005	0 5	2 5	0 051
BY37-006	0 5	2 5	0 082
BY37-007	0 5	2 5	0 051
BY37-008	0 5	2 5	0 043
BY37-010	0 5	2 5	0 055
BY37-011	0 5	2 5	0 056
BY37-012	0 5	2 5	0 041
BY37-013	0 5	2 5	0 038
BZ35-000	0 5	2 5	0 064
BZ35-001-01	0 5	2 5	0 026

64

Location	Start Depth (ft)	End Depth (ft)	SOR
BZ35-002-01	0 5	2 5	0 045
BZ35-003-01	0 5	2 5	0 055
BZ35-011-01	0 5	2 5	0 053
BZ36-000-01	0 5	2 5	0 043
BZ36-000-01	2 5	4 5	0 042
BZ36-001-01	0 5	2 5	0 048
BZ36-001-01	2 5	4 5	0 047
BZ36-002	0 5	2 5	0 021
BZ36-002	2 5	4 5	0 055
BZ36-003	0 5	2 5	0 052
BZ37-000	0 5	2 5	0 045
BZ37-000	2 5	4 5	0 040
BZ37-001	0 5	2 5	0 053
BZ37-001	2 5	4 5	0 056
BZ37-002	0 5	2 5	0 059
BZ37-002	2 5	4 5	0 050

2.3 Summary Statistics

Summary statistics, by analyte, were calculated for the IHSS Group 400-3 sampling locations and are presented in Tables 6 and 7

Table 6
Surface Soil Summary Statistics

Analyte	Number of Samples	Detection Frequency	Mean Conc	Maximum Conc.	WRW AL	Ecological Receptor AL	Background Conc	Unit
1,1,1-Trichloroethane	89	3 37%	25 43	56 6	79700000	-	-	ug/kg
2-Butanone	89	2 25%	36 00	66	192000000	433000	-	ug/kg
4-Methyl-2-pentanone	89	2 25%	10 60	12	16400000	-	-	ug/kg
Acetone	89	35 96%	75 33	1300	102000000	211000	-	ug/kg
Aluminum	109	53 21%	25965 52	69000	228000	-	16902 00	mg/kg
Americium-241	122	0 82%	0 12	0 115	76	1900	0 02	pCi/g
Antimony	117	6 84%	1 62	3 67	409	-	0 47	mg/kg
Arsenic	117	10 26%	17 39	29 2	22 2	21 6	10 09	mg/kg
Barium	117	13 68%	467 31	1750	26400	-	141 26	mg/kg
Benzene	89	2 25%	1 05	1 3	205000	-	-	ug/kg
Beryllium	109	39 45%	1 81	15	921	2 15	0 97	mg/kg
Cadmium	117	2 56%	9 37	14	962	-	1 61	mg/kg
Chloromethane	89	2 25%	1 60	1 7	371000	-	-	ug/kg
Chromium	117	47 86%	26 29	130	268	-	16 99	mg/kg
Cobalt	117	17 95%	20 29	61	1550	-	10 91	mg/kg
Copper	117	44 44%	56 99	308	40900	-	18 06	mg/kg
Ethylbenzene	89	6 74%	20 49	110	4250000	-	-	ug/kg
Iron	116	30 17%	28454 29	90300	307000	-	18037 00	mg/kg
Lead	117	3 42%	560 83	1500	1000	25 6	54 62	mg/kg
Lithium	109	53 21%	16 09	50	20400	-	11 55	mg/kg
Manganese	117	15 38%	949 89	5210	3480	-	365 08	mg/kg
Mercury	109	1 83%	0 21	0 22	25200	-	0 13	mg/kg
Methylene chloride	89	7 87%	1 17	1 8	2530000	39500	-	ug/kg
Naphthalene	88	31 82%	27 86	573	3090000	-	-	ug/kg

Analyte	Number of Samples	Detection Frequency	Mean Conc.	Maximum Conc.	WRW AL	Ecological Receptor AL	Background Conc.	Unit
Nickel	117	49 57%	24 48	78 7	20400	-	14 91	mg/kg
Selenium	117	7 69%	1 54	2 1	5110	-	1 22	mg/kg
Strontium	117	17 95%	122 43	305	613000	-	48 94	mg/kg
Tetrachloroethene	89	4 49%	10 44	26 9	615000	37500	-	ug/kg
Tin	117	5 13%	10 25	16 3	613000	-	2 90	mg/kg
Toluene	89	15 73%	3 75	19 5	31300000	128000	-	ug/kg
Uranium, Total	808	26 11%	15 97	210	2750	67 8	5 98	mg/kg
Uranium-234	122	79 51%	5 22	35 27	300	1800	2 25	pCi/g
Uranium-235	122	78 69%	0 23	0 7368	8	1900	0 09	pCi/g
Uranium-238	122	81 97%	5 17	35 27	351	1600	2 00	pCi/g
Vanadium	117	19 66%	73 77	324	7150	433	45 59	mg/kg
Xylene	89	11 24%	63 77	540	2040000	-	-	ug/kg
Zinc	117	18 80%	236 95	932	307000	-	73 76	mg/kg

Table 7
Subsurface Soil Summary Statistics

Analyte	Number of Samples	Detection Frequency	Mean Conc	Maximum Conc.	WRW AL	Ecological Receptor AL	Background Conc.	Unit
1,1,1-Trichloroethane	103	2 91%	3 60	5 4	79700000	-	-	ug/kg
1,2,4-Trichlorobenzene	103	0 97%	1 10	1 1	9230000	-	-	ug/kg
2-Butanone	103	1 94%	10 80	13	192000000	433000	-	ug/kg
Acetone	103	24 27%	28 84	88	102000000	211000	-	ug/kg
Aluminum	114	12 28%	44785 71	66000	228000	-	16902 00	mg/kg
Arsenic	122	9 84%	19 86	34 3	22 2	21 6	10 09	mg/kg
Barium	122	8 20%	711 70	2310	26400	-	141 26	mg/kg
Beryllium	114	6 14%	2 70	3 3	921	2 15	0 97	mg/kg
Cadmium	122	1 64%	22 50	35	962	-	1 61	mg/kg
Chloromethane	103	0 97%	1 80	1 8	371000	-	-	ug/kg
Cobalt	122	2 46%	32 00	35	1550	-	10 91	mg/kg
Copper	122	11 48%	52 19	98 5	40900	-	18 06	mg/kg
Ethylbenzene	103	3 88%	2 58	4 3	4250000	-	-	ug/kg
Iron	122	2 46%	64700 00	90900	307000	-	18037 00	mg/kg
Lead	122	3 28%	43 25	53	1000	25 6	54 62	mg/kg
Lithium	114	1 75%	53 00	59	20400	-	11 55	mg/kg
Manganese	122	2 46%	3233 33	6640	3480	-	365 08	mg/kg
Methylene chloride	103	8 74%	1 04	1 5	2530000	39500	-	ug/kg
Naphthalene	101	24 75%	20 08	261	3090000	-	-	ug/kg
Nickel	122	4 10%	76 48	91	20400	-	14 91	mg/kg
Strontium	122	0 82%	382 00	382	613000	-	48 94	mg/kg
Styrene	103	0 97%	5 20	5 2	123000000	-	-	ug/kg
Tetrachloroethene	103	1 94%	6 25	7 21	615000	37500	-	ug/kg
Toluene	103	7 77%	3 79	8 7	31300000	128000	-	ug/kg
Trichloroethene	103	0 97%	3 20	3 2	19600	509000	-	ug/kg
Uranium, Total	837	28 79%	13 31	280	2750	67 8	5 98	mg/kg
Uranium-234	127	81 10%	4 63	25 38	300	1800	2 25	pCi/g
Uranium-235	127	76 38%	0 22	0 5759	8	1900	0 09	pCi/g
Uranium-238	127	85 83%	4 53	25 38	351	1600	2 00	pCi/g
Vanadium	122	6 56%	149 13	339	7150	433	45 59	mg/kg

Analyte	Number of Samples	Detection Frequency	Mean Conc.	Maximum Conc.	WRW AL	Ecological Receptor AL	Background Conc	Unit
Xylene	103	3 88%	13 63	21 2	2040000	-	-	ug/kg
Zinc	122	4 10%	381 80	579	307000	-	73 76	mg/kg

2.4 Discussion

Location BY37-003, located under the northern side of the Building 444 foundation (Room 128), had a lead result (1,500 milligrams per kilogram [mg/kg]) greater than the WRW AL of 1,000 mg/kg Three other samples collected in the same room as this location did not indicate the presence of elevated lead levels

In reaction to this elevated lead result, x-ray fluorescence (XRF) samples were collected on the floor of Room 128 (the floor's surface is painted concrete) Sample results indicated the presence of lead-based paint at all sampling locations, with the highest result located next to BY37-003 Correlating XRF samples, which are area-based (milligrams per square centimeter [mg/cm^2]), and soil samples, which are concentration-based (parts per million [ppm]), is extremely difficult Therefore, the presence of lead-based paint in the area of the sample is simply confirmed Collecting a second sample adjacent (6 inches due east) to the original location provided further information for the investigation BY37-027 was collected in the same manner as BY37-003, with the exception of one procedure The paint on the surface of the concrete floor was removed prior to coring, thus eliminating the chance for cross-contamination of the soil by lead-based paint Results for the two samples are shown in Table 8

Table 8
Lead Analytical Results – Sampling Locations BY37-003 and BY37-027

Analyte	Location	Result (mg/kg)
Lead	BY37-003	1,500
Lead	BY37-027	201

Sampling location BY37-027 contained lead at a concentration well below the WRW AL, which was more consistent with the other sample results in the area Based on this evidence and the historical process knowledge of the area, cross-contamination of sample BY37-003 by means of the lead-based paint has been deemed the probable cause of the elevated result

Apparent lead contamination in this area is regarded as cross-contamination from building concrete and/or paint for the following reasons

- No historical explanation can account for the presence of lead beneath the foundation of Building 444 at this location
- No physical transport mechanisms (for example, cracks/seams in concrete) can be identified as potentially resulting in the presence of lead at this location

67

- Sampling efforts immediately adjacent to the original location could not duplicate the elevated lead result
- Lead-based paint covering the concrete floor was positively confirmed in the area where the sampling occurred

A 95% upper confidence limit (UCL) was calculated for lead in surface soil at this IHSS Group A result of less than one was obtained The result was 0 506 The second sample result was still elevated relative to the sample population, however, it remained below the WRW AL of 1,000 mg/kg Coupling the 95% UCL/AL ratio calculation with the actual sample result indicates removal is not required. This lead result, like all other ecological receptor AL exceedances, will be addressed by the Sitewide Comprehensive Risk Assessment (CRA)

Two changes in the data being reported that deviate from previous presentations of results to the regulatory agencies are discussed here Specifically, two detections of manganese and several detections of arsenic and lead were originally reported to the agencies at concentrations above their respective WRW ALs However, these detections were based on analytical method SW846-6200, an on-site method The appropriate method, as specified in the IHSS Group 400-3 SAP Addendum, is analytical method SW846-6010 Analytical method SW846-6010 is an off-site laboratory analysis that is more accurate and representative because the sample medium is completely dissolved, whereas method SW846-6200 analyzes only the surface of the soil particles Because the samples in question were also analyzed off site using method SW846-6010, there were no gaps in the reported data Results of the SW846-6010 analyses indicate the previously identified analytes do not exceed their respective WRW ALs, therefore, the text and figures have been changed to reflect this fact These changes affect sample BW36-007 (arsenic, lead, and manganese), sample BY36-003 (arsenic and lead), and sample BW36-011 (lead) The complete set of laboratory raw data is included on the accompanying CD

3.0 SUBSURFACE SOIL RISK SCREEN

The Subsurface Soil Risk Screen (SSRS) follows the steps identified on Figure 3 in Attachment 5 of the RFCA Modification (DOE et al 2003)

Screen 1 – Are the contaminant of concern (COC) concentrations below RFCA Table 3 WRW soil ALs?

No As shown in Tables 3 and 4 and Figure 3, one lead sample detection resulted in a concentration greater than the WRW AL

One elevated lead result (BY37-003) was greater than the WRW AL However, further sampling (BY37-027) in the area provided a result far less than the WRW AL Lead-based paint cross-contamination is the suspected cause of the BY37-003 WRW exceedance

All other results are less than RFCA WRW ALs

Screen 2 – Is there a potential for subsurface soil to become surface soil (landslide and erosion areas identified on Figure 1)?

No Based upon Figure 1 of RFCA Modification Attachment 5 (DOE et al 2003), the entire IHSS Group is not located in an area considered prone to landslides or erosion

Screen 3 – Does subsurface soil radiological contamination exceed criteria in Section 5.3 and Attachment 14?

No There were no levels of radiological contamination above ALs requiring action determinations in this IHSS Group

Screen 4 – Is there an environmental pathway and sufficient quantity of COCs that would cause an exceedance of the surface water standard?

Contaminant migration via erosion and groundwater are the two possible pathways whereby surface water could become contaminated by IHSS Group 400-3 Migration via erosion is unlikely because IHSS Group 400-3 is not located in an area prone to landslides or erosion

Runoff from IHSS Group 400-3 flows through gauging stations GS22 and GS38 (DOE 2002b) The nearest downgradient RFCA surface water Points of Evaluation (POEs) are SW027 and GS10 (DOE 2003b) Including all analytical data available as of May 1, 2002, the 30-day moving average values for all POE locations were below the RFCA ALs and standards for all monitored analytes (DOE 2002c) Additionally, both SW027 and GS10 receive water from a large part of the IA, and surface water quality at these locations may not be attributable to any single upgradient IHSS Group

Lead and beryllium are the only soil COCs at IHSS Group 400-3 that correlate with groundwater COCs for the Building 444 area (DOE 2002d) No significant increase in the concentrations of these analytes is observed when comparing upgradient and downgradient well data

Groundwater continues to infiltrate the basement of Building 444 The amount of water present in the sump in the basement varies with respect to the local water table. On occasion, beryllium has been detected above surface water standards, however, area groundwater monitoring wells remain free of such detections Currently, the water is being pumped into the storm drain via an inline filter Monitoring wells around the area will continue to be sampled as part of the Integrated Monitoring Program (IMP) Further groundwater evaluation will be part of the groundwater plume remedial decision and future Sitewide evaluation

Screen 5 – Are COC concentrations below Table 3 ALs for ecological receptors?

No, beryllium, lead, and uranium-total exceed the ecological receptor ALs at multiple locations throughout IHSS Group 400-3 All other COC concentrations are below the ALs for ecological receptors Ecological factors will be evaluated in the accelerated action ecological screening process and the CRA

4.0 NFAA SUMMARY

Based on analytical results and the SSRS, action is not required and an NFAA determination is justified for IHSS Group 400-3 because of the following

- In accordance with approved methodologies (resampling due to cross-contamination, and 95% UCL calculations), further investigation into the lead WRW AL exceedance resulted in a No Further Action (NFA) determination

- Migration of contaminants to surface water through erosion is unlikely because the exceedances are not in an area prone to landslides or erosion

- Migration of contaminants in groundwater will not likely impact surface water because of the low levels of soil contamination found in IHSS Group 400-3 The groundwater contamination is considered part of the IA Plume, which will be further evaluated in a future decision document

Approval of this Data Summary Report constitutes regulatory agency concurrence that this IHSS Group is an NFAA site This information and the NFAA determination will be documented in the FY04 HRR

5.0 DATA QUALITY ASSESSMENT

The data quality objectives (DQOs) for this project are described in the IASAP (DOE 2001) All DQOs for this project were achieved based on the following

- Regulatory agency-approved sampling program design (IASAP Addendum #IA-03-06 [DOE 2003a]),

- Collection of samples in accordance with the sampling design,

- Results of the Data Quality Assessment (DQA), as described in the following sections

5.1 Data Quality Assessment Process

The DQA process ensures that the type, quantity, and quality of environmental data used in decision making are defensible, and is based on the following guidance and requirements

- U S Environmental Protection Agency (EPA) QA/G-4, 1994a, Guidance for the Data Quality Objective Process,

- EPA QA/G-9, 1998, Guidance for the Data Quality Assessment Process, Practical Methods for Data Analysis, and

- U S Department of Energy (DOE) Order 414 1A, 1999, Quality Assurance

Verification and validation (V&V) of data are the primary components of the DQA The final data are compared with original project DQOs and evaluated with respect to project decisions, uncertainty within the decisions, and quality criteria required for the data, specifically precision, accuracy, representativeness, completeness, comparability, and sensitivity (PARCCS) Validation criteria are consistent with the following RFETS-specific documents and industry guidelines

70

- EPA 540/R-94/012, 1994b, USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,
- EPA 540/R-94/013, 1994c, USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review,
- Kaiser-Hill Company, L L C (K-H) V&V Guidelines
  - General Guidelines for Data Verification and Validation, DA-GR01-v1, 2002a
  - V&V Guidelines for Isotopic Determinations by Alpha Spectrometry, DA-RC01-v1, 2002b
  - V&V Guidelines for Volatile Organics, DA-SS01-v1, 2002c
  - V&V Guidelines for Semivolatile Organics, DA-SS02-v1, 2002d
  - V&V Guidelines for Metals, DA-SS05-v1, 2002e, and
- Lockheed-Martin, 1997, Evaluation of Radiochemical Data Usability, ES/ER/MS-5

This report will be submitted to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Administrative Record (AR) for permanent storage 30 days after being provided to the Colorado Department of Public Health and Environment (CDPHE) and/or EPA

5.2 Verification and Validation of Results

Verification ensures that data produced and used by the project are documented and traceable in accordance with quality requirements Validation consists of a technical review of all data that directly support the project decisions so that any limitations of the data relative to project goals are delineated and the associated data are qualified accordingly The V&V process defines the criteria that constitute data quality, namely PARCCS parameters Data traceability and archival are also addressed V&V criteria include the following

- Chain-of-custody,
- Preservation and hold times,
- Instrument calibrations,
- Preparation blanks,
- Interference check samples (metals),
- Matrix spikes/matrix spike duplicates (MS/MSDs),
- Laboratory control samples (LCSs),
- Field duplicate measurements,
- Chemical yield (radiochemistry),
- Required quantitation limits/minimum detectable activities (sensitivity of chemical and radiochemical measurements, respectively), and
- Sample analysis and preparation methods

7/

Evaluation of V&V criteria ensures that PARCCS parameters are satisfactory (i e , within tolerances acceptable to the project) Satisfactory V&V of laboratory quality controls are captured through application of validation "flags" or qualifiers to individual records

Raw hard-copy data (for example, individual analytical data packages) are currently filed by report identification number (RIN) and maintained by K-H Analytical Services Division (ASD), older hard copies may reside in the Federal Center in Lakewood, Colorado Electronic data are stored in the RFETS Soil Water Database (SWD)

Both real and QC data are included on the enclosed CD

5 2 1 Accuracy

The following measures of accuracy were evaluated

- LCS e4valuation,
- Surrogate evaluation,
- Field blank evaluation, and
- Sample MS evaluation

Results are compared to method requirements and project goals The results of these comparisons are summarized for RFCA COCs where the result could impact project decisions Particular attention is paid to those values near ALs when quality control (QC) results could indicate unacceptable levels of uncertainty for decision-making purposes

Laboratory Control Sample Evaluation

The frequency of LCS measurements, relative to each laboratory batch, is given in Table 9 LCS frequency was adequate based on at least one LCS per batch The minimum and maximum LCS results are also tabulated, by chemical, for the entire project While not all LCS results are within tolerances, project decisions based on AL exceedances were not affected Any qualifications of results due to LCS performance exceeding upper or lower tolerance limits are captured in the V&V flags, described in the Completeness Section 5 4 3.

Surrogate Evaluation

The frequency of surrogate measurements, relative to each laboratory batch, is given in Table 10 Surrogate frequency was adequate based on at least one set per sample The minimum and maximum surrogate results are also tabulated, by chemical, for the entire project Any qualifications of results due to surrogate results are captured in the V&V flags, described in Section 5 4 3

Field Blank Evaluation

Results of the field blank analyses are given in Table 11 Detectable amounts of contaminants within the blanks, which could indicate possible cross-contamination of samples, are evaluated if the same contaminant is detected in the associated real samples When the real result is less than 10 times the blank result for laboratory contaminants and 5 times the result for nonlaboratory contaminants, the real result is eliminated None of the chemicals were detected in the blanks at concentrations greater than one-tenth the AL Therefore, no sample results at or above the AL could have been impacted by the blanks

Table 9
LCSample Evaluation Summary

CAS No	Analyte	Minimum	Maximum	Number of Laboratory Samples	Number of Laboratory Batches	Unit	Test Method
71-55-6	1,1,1-Trichloroethane	79 5	112 2	36	31	%REC	SW-846 8260
79-34-5	1,1,2,2-Tetrachloroethane	84 93	141	36	31	%REC	SW-846 8260
79-00-5	1,1,2-Trichloroethane	86 54	119 5	36	31	%REC	SW-846 8260
75-34-3	1,1-Dichloroethane	77 15	111	36	31	%REC	SW-846 8260
75-35-4	1,1-Dichloroethene	72 1	118 1	36	31	%REC	SW-846 8260
75-35-4	1,1-Dichloroethene	58 3	106	14	9	%REC	SW-846 8260 LOW LEVEL
120-82-1	1,2,4-Trichlorobenzene	83 57	145 5	36	31	%REC	SW-846 8260
95-50-1	1,2-Dichlorobenzene	87	127 1	36	31	%REC	SW-846 8260
107-06-2	1,2-Dichloroethane	80 49	122	36	31	%REC	SW-846 8260
78-87-5	1,2-Dichloropropane	71 33	141 8	36	31	%REC	SW-846 8260
106-46-7	1,4-Dichlorobenzene	85	127 7	36	31	%REC	SW-846 8260
78-93-3	2-Butanone	33 43	129	36	31	%REC	SW-846 8260
108-10-1	4-Methyl-2-pentanone	82 71	158 3	36	31	%REC	SW-846 8260
67-64-1	Acetone	34 01	174	36	31	%REC	SW-846 8260
7429-90-5	Aluminum	98 7	112 5	6	6	%REC	EPA 6200
7429-90-5	Aluminum	94	104	23	22	%REC	SW-846 6010
7440-36-0	Antimony	97 9	109	6	6	%REC	EPA 6200
7440-36-0	Antimony	90	102	23	22	%REC	SW-846 6010
12674-11-2	Aroclor-1016	98	98	1	1	%REC	SW-846 8082
11096-82-5	Aroclor-1260	100	100	1	1	%REC	SW-846 8082
7440-38-2	Arsenic	82	108 2	6	6	%REC	EPA 6200
7440-38-2	Arsenic	90	103	23	22	%REC	SW-846 6010
7440-39-3	Barium	96 6	115	6	6	%REC	EPA 6200
7440-39-3	Barium	93	106	23	22	%REC	SW-846 6010
71-43-2	Benzene	80 45	119 8	36	31	%REC	SW-846 8260
71-43-2	Benzene	78 4	108	14	9	%REC	SW-846 8260 LOW LEVEL
7440-41-7	Beryllium	95 9	111 4	6	6	%REC	EPA 6200
7440-41-7	Beryllium	92	106	23	22	%REC	SW-846 6010
75-27-4	Bromodichloromethane	82 97	143 1	36	31	%REC	SW-846 8260
75-25-2	Bromoform	92	153	36	31	%REC	SW-846 8260
74-83-9	Bromomethane	65 19	132 5	36	31	%REC	SW-846 8260
7440-43-9	Cadmium	100	106 2	6	6	%REC	EPA 6200
7440-43-9	Cadmium	87	102	23	22	%REC	SW-846 6010
75-15-0	Carbon Disulfide	61 21	138	36	31	%REC	SW-846 8260
56-23-5	Carbon Tetrachloride	70 59	110 3	36	31	%REC	SW-846 8260
108-90-7	Chlorobenzene	84 4	175 1	36	31	%REC	SW-846 8260
108-90-7	Chlorobenzene	95	117	14	9	%REC	SW-846 8260 LOW LEVEL

173

CAS No.	Analyte	Minimum	Maximum	Number of Laboratory Samples	Number of Laboratory Batches	Unit	Test Method
75-00-3	Chloroethane	58 93	148	36	31	%REC	SW-846 8260
67-66-3	Chloroform	80 3	112 1	36	31	%REC	SW-846 8260
67-66-3	Chloroform	81 6	91 9	4	4	%REC	SW-846 8260 LOW LEVEL
74-87-3	Chloromethane	54 64	229 8	36	31	%REC	SW-846 8260
7440-47-3	Chromium	97 5	110	6	6	%REC	EPA 6200
7440-47-3	Chromium	89	104	23	22	%REC	SW-846 6010
10061-01-5	cis-1,3-Dichloropropene	69 53	124	36	31	%REC	SW-846 8260
7440-48-4	Cobalt	97 3	105 4	6	6	%REC	EPA 6200
7440-48-4	Cobalt	89	102	23	22	%REC	SW-846 6010
7440-50-8	Copper	101	111	6	6	%REC	EPA 6200
7440-50-8	Copper	89	103	23	22	%REC	SW-846 6010
57-12-5	Cyanide	91	101	5	4	%REC	E335 3, E335 4, SM4500-CN C,E
124-48-1	Dibromochloromethane	85 01	122 1	36	31	%REC	SW-846 8260
100-41-4	Ethylbenzene	81 25	144 2	36	31	%REC	SW-846 8260
87-68-3	Hexachlorobutadiene	75 26	160	36	31	%REC	SW-846 8260
7439-89-6	Iron	102	112	6	6	%REC	EPA 6200
7439-89-6	Iron	93	102	23	22	%REC	SW-846 6010
7439-92-1	Lead	102	113	6	6	%REC	EPA 6200
7439-92-1	Lead	90	102	23	22	%REC	SW-846 6010
7439-93-2	Lithium	95 5	115	6	6	%REC	EPA 6200
7439-93-2	Lithium	88	106	23	22	%REC	SW-846 6010
7439-96-5	Manganese	101	109	6	6	%REC	EPA 6200
7439-96-5	Manganese	91	104	23	22	%REC	SW-846 6010
7439-97-6	Mercury	99	108	6	6	%REC	EPA 6200
7439-97-6	Mercury	94	104	20	18	%REC	SW-846 6010
75-09-2	Methylene chloride	63 67	121 2	36	31	%REC	SW-846 8260
7439-98-7	Molybdenum	97 8	110	7	7	%REC	EPA 6200
7439-98-7	Molybdenum	88	100	23	22	%REC	SW-846 6010
91-20-3	Naphthalene	75	127 4	36	31	%REC	SW-846 8260
7440-02-0	Nickel	98 3	110	6	6	%REC	EPA 6200
7440-02-0	Nickel	89	102	23	22	%REC	SW-846 6010
7782-49-2	Selenium	97 4	110 8	6	6	%REC	EPA 6200
7782-49-2	Selenium	88	103	23	22	%REC	SW-846 6010
7440-22-4	Silver	103	111	7	7	%REC	EPA 6200
7440-22-4	Silver	90	104	23	22	%REC	SW-846 6010
7440-24-6	Strontium	98 8	116 4	6	6	%REC	EPA 6200
7440-24-6	Strontium	94	105	23	22	%REC	SW-846 6010
100-42-5	Styrene	83	129	36	31	%REC	SW-846 8260
127-18-4	Tetrachloroethene	78 75	120 7	36	31	%REC	SW-846 8260

74

CAS No.	Analyte	Minimum	Maximum	Number of Laboratory Samples	Number of Laboratory Batches	Unit	Test Method
7440-31-5	Tin	92 3	111	7	7	%REC	EPA 6200
7440-31-5	Tin	89	101	23	22	%REC	SW-846 6010
108-88-3	Toluene	83 14	125 7	36	31	%REC	SW-846 8260
108-88-3	Toluene	86 1	109	14	9	%REC	SW-846 8260 LOW LEVEL
10061-02-6	trans-1,3-Dichloropropene	89 24	128 6	36	31	%REC	SW-846 8260
79-01-6	Trichloroethene	71 14	141	36	31	%REC	SW-846 8260
79-01-6	Trichloroethene	86 3	101	14	9	%REC	SW-846 8260 LOW LEVEL
11-09-7	Uranium, Total	106	113 4	5	5	%REC	EPA 6200
11-09-7	Uranium, Total	93	105	23	22	%REC	SW-846 6010
7440-62-2	Vanadium	92 6	111	6	6	%REC	EPA 6200
7440-62-2	Vanadium	90	102	23	22	%REC	SW-846 6010
75-01-4	Vinyl chloride	67 2	209 6	36	31	%REC	SW-846 8260
1330-20-7	Xylene	82 65	137 3	36	31	%REC	SW-846 8260
7440-66-6	Zinc	86 6	112 6	6	6	%REC	EPA 6200
7440-66-6	Zinc	91	102	23	22	%REC	SW-846 6010

Table 10
Surrogate Recovery Summary

VOC Surrogate Recoveries				
Number of Samples	Analyte	Minimum Concentration	Maximum Concentration	Unit
177	1,2-Dichloroethane -d4	70 72	142 8	%REC
177	Bromofluorobenzene	85 65	148 6	%REC
177	Toluene - d8	83 43	128 4	%REC

Table 11
Field Blank Summary

Sample QC Code	Test Method	Analyte	Maximum Detected Value	Unit
TB	SW-846 8260	Acetone	33	ug/L
TB	SW-846 8260	Acetone	18	ug/L
RNS	SW-846 6010	Aluminum	0 049	mg/L
RNS	SW-846 6010	Aluminum	0 1	mg/L
RNS	SW-846 6010	Barium	0 0018	mg/L
RNS	SW-846 8260	Benzene	0 27	ug/L
TB	SW-846 8260	Benzene	3 8	ug/L
TB	SW-846 8260	Benzene	3 1	ug/L
RNS	SW-846 6010	Beryllium	0 00076	mg/L
RNS	SW-846 6010	Cadmium	0 0004	mg/L
TB	SW-846 8260	Chloromethane	1 6	ug/L
RNS	SW-846 6010	Cobalt	0 00092	mg/L

Sample QC Code	Test Method	Analyte	Maximum Detected Value	Unit
RNS	SW-846 6010	Copper	0 011	mg/L
RNS	SW-846 6010	Copper	0 0073	mg/L
RNS	SW-846 8260	Ethylbenzene	0 13	ug/L
TB	SW-846 8260	Ethylbenzene	0 17	ug/L
RNS	SW-846 6010	Iron	0 2	mg/L
RNS	SW-846 6010	Iron	0 049	mg/L
RNS	SW-846 6010	Lead	0 0034	mg/L
RNS	SW-846 6010	Lithium	0 002	mg/L
RNS	SW-846 6010	Manganese	0 0026	mg/L
RNS	SW-846 6010	Mercury	0 000019	mg/L
RNS	SW-846 8260	Methylene chloride	0 23	ug/L
FB	SW-846 8260	Methylene chloride	0 22	ug/L
TB	SW-846 8260	Methylene chloride	0 21	ug/L
TB	SW-846 8260	Naphthalene	0 87	ug/L
RNS	SW-846 6010	Strontium	0 0017	mg/L
FB	SW-846 8260	Toluene	1 5	ug/L
RNS	SW-846 8260	Toluene	2 1	ug/L
TB	SW-846 8260	Toluene	6 55	ug/L
TB	SW-846 8260	Toluene	4 3	ug/L
RNS	SW-846 8260	Toluene	1 6	ug/L
RNS	SW-846 8260	Toluene	1 8	ug/L
TB	SW-846 8260	Toluene	9 4	ug/L
TB	SW-846 8260	Toluene	3	ug/L
RNS	GAMMA SPECTROSCOPY	Uranium-235	0 176	pCi/g
RNS	GAMMA SPECTROSCOPY	Uranium-238	2 46	pCi/g
RNS	SW-846 8260	Xylene	0 78	ug/L
TB	SW-846 8260	Xylene	3 1	ug/L
FB	SW-846 8260	Xylene	0 48	ug/L
RNS	SW-846 6010	Zinc	0 049	mg/L

Field Blanks (TB = Trip, RNS = Rinse, FB = Field) results greater than detection limits (not *U* Qualified)

Sample Matrix Spike Evaluation

The frequency of MS measurements, relative to each laboratory batch, was adequate based on at least one MS per batch The minimum and maximum MS results are summarized by chemical for the entire project in Table 12 While some of the recoveries appear to be low, they did not result in the rejection of any data Therefore, final decisions based upon this data were not impacted

Table 12
Sample MS Evaluation Summary

CAS No	Analyte	Minimum Conc.	Maximum Conc.	Number of Laboratory Samples	Number of Laboratory Batches	Unit	Test Method
71-55-6	1,1,1-Trichloroethane	37 11	283 6	17	16	%REC	SW-846 8260
79-34-5	1,1,2,2-Tetrachloroethane	7 486	102	17	16	%REC	SW-846 8260
79-00-5	1,1,2-Trichloroethane	56 23	108 6	17	16	%REC	SW-846 8260
75-34-3	1,1-Dichloroethane	57 97	108	17	16	%REC	SW-846 8260
75-35-4	1,1-Dichloroethene	32 44	110 9	17	16	%REC	SW-846 8260
75-35-4	1,1-Dichloroethene	62 1	99	3	5	%REC	SW-846 8260 LOW LEVEL
120-82-1	1,2,4-Trichlorobenzene	42	92	17	16	%REC	SW-846 8260
95-50-1	1,2-Dichlorobenzene	66 06	96	17	16	%REC	SW-846 8260
107-06-2	1,2-Dichloroethane	74 6	113	17	16	%REC	SW-846 8260
78-87-5	1,2-Dichloropropane	43 79	133 7	17	16	%REC	SW-846 8260
106-46-7	1,4-Dichlorobenzene	60 2	92	17	16	%REC	SW-846 8260
78-93-3	2-Butanone	74	191 5	17	16	%REC	SW-846 8260
108-10-1	4-Methyl-2-pentanone	55 97	109	17	16	%REC	SW-846 8260
67-64-1	Acetone	48	259	17	16	%REC	SW-846 8260
7429-90-5	Aluminum	91 7	105	2	2	%REC	EPA 6200
7429-90-5	Aluminum	0	5880	26	26	%REC	SW-846 6010
7440-36-0	Antimony	99 4	99 4	1	1	%REC	EPA 6200
7440-36-0	Antimony	34	100	26	26	%REC	SW-846 6010
12674-11-2	Aroclor-1016	95	95	1	1	%REC	SW-846 8082
11096-82-5	Aroclor-1260	92	92	1	1	%REC	SW-846 8082
7440-38-2	Arsenic	18 5	18 5	1	1	%REC	EPA 6200
7440-38-2	Arsenic	83	101	26	26	%REC	SW-846 6010
7440-39-3	Barium	96 9	96 9	1	1	%REC	EPA 6200
7440-39-3	Barium	48	117	26	26	%REC	SW-846 6010
71-43-2	Benzene	52 42	98 87	17	16	%REC	SW-846 8260
71-43-2	Benzene	82 7	117	3	5	%REC	SW-846 8260 LOW LEVEL
7440-41-7	Beryllium	97 4	97 4	1	1	%REC	EPA 6200
7440-41-7	Beryllium	81	108	26	26	%REC	SW-846 6010
75-27-4	Bromodichloromethane	45 03	131 4	17	16	%REC	SW-846 8260
75-25-2	Bromoform	51 66	98 41	17	16	%REC	SW-846 8260
74-83-9	Bromomethane	56 46	104 1	17	16	%REC	SW-846 8260

CAS No.	Analyte	Minimum Conc.	Maximum Conc.	Number of Laboratory Samples	Number of Laboratory Batches	Unit	Test Method
7440-43-9	Cadmium	98 2	98 2	1	1	%REC	EPA 6200
7440-43-9	Cadmium	78	101	26	26	%REC	SW-846 6010
75-15-0	Carbon Disulfide	35 49	126 2	17	16	%REC	SW-846 8260
56-23-5	Carbon Tetrachloride	30 14	150 1	17	16	%REC	SW-846 8260
108-90-7	Chlorobenzene	45 9	99 27	17	16	%REC	SW-846 8260
108-90-7	Chlorobenzene	90	118	3	5	%REC	SW-846 8260 LOW LEVEL
75-00-3	Chloroethane	40 43	99 44	17	16	%REC	SW-846 8260
67-66-3	Chloroform	59 04	105 6	17	16	%REC	SW-846 8260
67-66-3	Chloroform	84 8	107	2	2	%REC	SW-846 8260 LOW LEVEL
74-87-3	Chloromethane	32 91	154 3	17	16	%REC	SW-846 8260
7440-47-3	Chromium	97 8	97 8	1	1	%REC	EPA 6200
7440-47-3	Chromium	45	146	26	26	%REC	SW-846 6010
10061-01-5	cis-1,3-Dichloropropene	47 75	114 5	17	16	%REC	SW-846 8260
7440-48-4	Cobalt	99 6	99 6	1	1	%REC	EPA 6200
7440-48-4	Cobalt	81	104	26	26	%REC	SW-846 6010
7440-50-8	Copper	94 7	94 7	1	1	%REC	EPA 6200
7440-50-8	Copper	35	151	26	26	%REC	SW-846 6010
57-12-5	Cyanide	94	94	1	1	%REC	E335 3, E335 4, SM4500-CN C,E
124-48-1	Dibromochloromethane	53 38	97	17	16	%REC	SW-846 8260
100-41-4	Ethylbenzene	51 41	99 45	17	16	%REC	SW-846 8260
87-68-3	Hexachlorobutadiene	19	83	17	16	%REC	SW-846 8260
7439-89-6	Iron	101	101	1	1	%REC	EPA 6200
7439-89-6	Iron	0	6000	26	26	%REC	SW-846 6010
7439-92-1	Lead	93 8	93 8	1	1	%REC	EPA 6200
7439-92-1	Lead	73	123	26	26	%REC	SW-846 6010
7439-93-2	Lithium	93 9	93 9	1	1	%REC	EPA 6200
7439-93-2	Lithium	79	109	26	26	%REC	SW-846 6010
7439-96-5	Manganese	100	100	1	1	%REC	EPA 6200
7439-96-5	Manganese	0	476	26	26	%REC	SW-846 6010
7439-97-6	Mercury	88 3	116	2	2	%REC	EPA 6200
7439-97-6	Mercury	14	107	22	22	%REC	SW-846 6010
75-09-2	Methylene chloride	67 74	103 2	17	16	%REC	SW-846 8260
7439-98-7	Molybdenum	99 6	106	2	2	%REC	EPA 6200
7439-98-7	Molybdenum	79	97	26	26	%REC	SW-846 6010
91-20-3	Naphthalene	-72 87	91	17	16	%REC	SW-846 8260
7440-02-0	Nickel	98 4	98 4	1	1	%REC	EPA 6200
7440-02-0	Nickel	70	123	26	26	%REC	SW-846 6010
7782-49-2	Selenium	21 3	21 3	1	1	%REC	EPA 6200

CAS No.	Analyte	Minimum Conc.	Maximum Conc.	Number of Laboratory Samples	Number of Laboratory Batches	Unit	Test Method
7782-49-2	Selenium	82	100	26	26	%REC	SW-846 6010
7440-22-4	Silver	99 1	101	2	2	%REC	EPA 6200
7440-22-4	Silver	83	102	26	26	%REC	SW-846 6010
7440-24-6	Strontium	97 5	97 5	1	1	%REC	EPA 6200
7440-24-6	Strontium	63	156	26	26	%REC	SW-846 6010
100-42-5	Styrene	64 07	99 59	17	16	%REC	SW-846 8260
127-18-4	Tetrachloroethene	35 35	185 6	17	16	%REC	SW-846 8260
7440-31-5	Tin	100	106	2	2	%REC	EPA 6200
7440-31-5	Tin	81	99	26	26	%REC	SW-846 6010
108-88-3	Toluene	46 66	97 34	17	16	%REC	SW-846 8260
108-88-3	Toluene	93 1	104	3	5	%REC	SW-846 8260 LOW LEVEL
10061-02-6	trans-1,3-Dichloropropene	47 82	97	17	16	%REC	SW-846 8260
79-01-6	Trichloroethene	43 09	158 6	17	16	%REC	SW-846 8260
79-01-6	Trichloroethene	90	108	3	5	%REC	SW-846 8260 LOW LEVEL
11-09-7	Uranium, Total	99 7	99 7	1	1	%REC	EPA 6200
11-09-7	Uranium, Total	84	103	26	26	%REC	SW-846 6010
7440-62-2	Vanadium	97 5	104	2	2	%REC	EPA 6200
7440-62-2	Vanadium	39	132	26	26	%REC	SW-846 6010
75-01-4	Vinyl chloride	22 76	116 3	17	16	%REC	SW-846 8260
1330-20-7	Xylene	54 71	102 3	17	16	%REC	SW-846 8260
7440-66-6	Zinc	99 5	99 5	1	1	%REC	EPA 6200
7440-66-6	Zinc	39	180	26	26	%REC	SW-846 6010

5 2 2 Precision

Matrix Spike Duplicate Evaluation

Laboratory precision is measured through use of MSDs Adequate frequency of MSD measurements is indicated by at least one MSD in each laboratory batch Table 13 indicates that MSD frequencies were adequate While some of the relative percent differences (RPDs) appear to be high, they would not result in rejection of data that affects project decisions

79

Table 13
Sample MSD Evaluation Summary

Analyte	Number of Sample Pairs	Number of Laboratory Batches	Max RPD (%)
1,1,1-Trichloroethane	17	16	78 28
1,1,2,2-Tetrachloroethane	17	16	30 44
1,1,2-Trichloroethane	17	16	17 00
1,1-Dichloroethane	17	16	51 20
1,1-Dichloroethene	17	16	99 25
1,1-Dichloroethene	3	5	11 76
1,2,4-Trichlorobenzene	17	16	30 86
1,2-Dichlorobenzene	17	16	22 80
1,2-Dichloroethane	17	16	27 17
1,2-Dichloropropane	17	16	29 20
1,4-Dichlorobenzene	17	16	25 97
2-Butanone	17	16	21 52
4-Methyl-2-pentanone	17	16	26 33
Acetone	17	16	88 58
Aluminum	24	24	102 90
Aluminum	1	1	2 82
Antimony	26	26	59 79
Aroclor-1016	1	1	10 95
Aroclor-1260	1	1	5 29
Arsenic	26	26	11 36
Barium	26	26	80 00
Benzene	17	16	52 31
Benzene	3	5	3 44
Beryllium	26	26	23 91
Bromodichloromethane	17	16	26 32
Bromoform	17	16	25 47
Bromomethane	17	16	46 56
Cadmium	26	26	21 32
Carbon Disulfide	17	16	93 97
Carbon Tetrachloride	17	16	93 64
Chlorobenzene	17	16	37 41
Chlorobenzene	3	5	11 76
Chloroethane	17	16	72 45
Chloroform	17	16	45 20
Chloroform	2	2	3 82
Chloromethane	17	16	71 55
Chromium	26	26	94 74
cis-1,3-Dichloropropene	17	16	23 02
Cobalt	26	26	30 41

Analyte	Number of Sample Pairs	Number of Laboratory Batches	Max RPD (%)
Copper	26	26	95 93
Cyanide	1	1	6 19
Dibromochloromethane	17	16	22 45
Ethylbenzene	17	16	52 79
Hexachlorobutadiene	17	16	56 12
Iron	19	19	195 47
Lead	26	26	33 78
Lithium	26	26	22 47
Manganese	23	23	194 74
Mercury	22	22	80 29
Mercury	1	1	32 46
Methylene chloride	17	16	33 68
Molybdenum	26	26	14 12
Molybdenum	1	1	0 94
Naphthalene	17	16	2442 15
Nickel	26	26	22 78
Selenium	26	26	10 40
Silver	26	26	12 43
Silver	1	1	1 00
Strontium	26	26	46 34
Styrene	17	16	34 93
Tetrachloroethene	17	16	98 43
Tin	26	26	12 72
Tin	1	1	1 87
Toluene	17	16	53 92
Toluene	3	5	14 43
trans-1,3-Dichloropropene	17	16	15 58
Trichloroethene	17	16	65 93
Trichloroethene	3	5	10 53
Uranium, Total	26	26	10 17
Vanadium	26	26	107 69
Vanadium	1	1	1 90
Vinyl chloride	17	16	93 84
Xylene	17	16	47 90
Zinc	26	26	87 06

Field Duplicate Evaluation

Field duplicate results reflect sampling precision, or overall repeatability of the sampling process The frequency of field duplicate collection should exceed 1 field duplicate per 20 real samples, or 5 percent Table 14 indicates that sampling frequencies were inadequate with respect to radionuclides (gamma spectroscopy), metals, and polychlorinated biphenyls (PCBs)

81

A common metric for evaluating precision is the RPD value; RPD values are given in Table 15 Ideally, RPDs of less than 35 percent (in soil) indicate satisfactory precision Values exceeding 35 percent only affect project decisions if the imprecision is great enough to cause contradictory decisions relative to the COC (i e , one sample indicates clean soil whereas the QC partner does not) As indicated by the data in Table 15, a number of analytes have RPDs greater than 35 percent Project decisions were based only on analytes that exceeded ALs (i e , beryllium) RPD percentages greater than 35 percent indicate sampling precision has been exceeded

Table 14
Field Duplicate Sample Frequency Summary

Test Method	Sample Code	Number of Samples	% Duplicate Samples
ALPHA SPEC	REAL	27	22%
ALPHA SPEC	DUP	6	
GAMMA SPECTROSCOPY	REAL	225	2%
GAMMA SPECTROSCOPY	DUP	5	
SW-846 6010	REAL	224	2%
SW-846 6010	DUP	5	
SW-846 8082	REAL	6	0%
SW-846 8260	REAL	196	5%
SW-846 8260	DUP	9	

Table 15
RPD Evaluation Summary

Analyte	Max of RPD (%)
1,1,1-Trichloroethane	9 2
1,1-Dichloroethane	9 2
1,2,4-Trichlorobenzene	9 2
1,2-Dichloroethane	9.2
4-Methyl-2-pentanone	9 1
Aluminum	137 7
Arsenic	17 8
Barium	59 7
Benzene	9 2
Beryllium	33 3
Bromodichloromethane	9 2
Bromoform	9 2
Carbon Disulfide	9 2
Chlorobenzene	9 2
Chloroform	9 2
Chromium	53 3
cis-1,3-Dichloropropene	9 2
Cobalt	128 2
Copper	72 4
Dibromochloromethane	9 2

82

Analyte	Max of RPD (%)
Iron	87 4
Lead	91 3
Lithium	82 8
Manganese	48 3
Mercury	10 4
Methylene chloride	9 2
Naphthalene	9 2
Nickel	111 9
Strontium	24 0
Styrene	9 2
Tetrachloroethene	9 2
Toluene	9 2
trans-1,3-Dichloropropene	9 2
Trichloroethene	9 2
Vanadium	108 9
Zinc	27 5

5 2 3 Completeness

Based on original project DQOs, a minimum of 25 percent of ER Program analytical (and radiological) results must be formally verified and validated Of that percentage, no more than 10 percent of the results may be rejected, which ensures that analytical laboratory practices are consistent with quality requirements Table 16 shows the number and percentage of validated records (codes without "1"), the number and percentage of verified records (codes with "1"), and the percentage of rejected records for each analyte group Because the frequency of validation is within project quality requirements and in compliance with the RFETS validation goal of 25 percent of all analytical records the results indicate that these data are adequate

5 2 4 Sensitivity

Reporting limits, in units of ug/kg for organics, mg/kg for metals, and pCi/g for radionuclides, were compared with proposed RFCA WRW and ecological receptor ALs Adequate sensitivities of analytical methods were attained for all COCs that affect project decisions "Adequate" sensitivity is defined as a reporting limit less than an analyte's associated AL, typically less than one-half the AL

5.3 Summary of Data Quality

RPDs greater than 35 percent indicate the sampling precision limits of some analytes have been exceeded No records were rejected Compliance with the project quality requirements and RFETS validation goal of 25 percent of all analytical records indicates these data are adequate If additional V&V information is received, IHSS Group 400-3 records will be updated in the SWD Data qualified as a result of additional data will be assessed as part of the CRA process Data collected and used for IHSS Group 400-3 are adequate for decisionmaking

83

Table 16
Validation and Verification Summary

Validation Qualifier Code	Total of CAS Number	Alpha Spec	Gamma Spectroscopy	SW-846 6010	SW-846 8082	SW-846 8260
No V&V	228	0	228	0	0	0
1	444	0	444	0	0	0
J	491	0	0	490	0	1
J1	464	0	0	456	0	8
V	3725	25	231	1628	0	1841
V1	7255	109	444	2199	42	4461
JB	17	0	0	0	0	17
JB1	46	0	0	16	0	30
UJ	273	0	0	181	0	92
UJ1	282	0	0	181	0	101
Total	13225	134	1347	5151	42	6551
Validated	4506	25	231	2299	0	1951
% Validated	34 07%	18 66%	17 15%	44 63%	0 00%	29 78%
Verified	8491	109	888	2852	42	4600
% Verified	64 20%	81 34%	65 92%	55 37%	100 00%	70 22%

Key
Validated J,V,JB,UJ
Verified 1,J1,V1,JB1,UJ1

84

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